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No. 43] NEW DELHI, SATURDAY, OCTOBER 21, 2000 (ASVINA 29, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 21st October 2000

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Chennai-600 090.

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and Amindivi Islands.

Telegraphic address "PATENTOFIS"

Phone No. 490 1495
Fax No. 044 490 1492.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 002.

Rest of India.

Telegraphic address "PATENTS"

Phone No. 247 4401
Fax No. 033 247 3851

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एकम्ब तथा अभिवक्त

कलकत्ता, दिनांक 21 अक्टूबर 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं अधिकाधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :-

पेटेंट कार्यालय शाखा, टोडी स्टेटे,
नीसरा तल, लेबर परते (प.)
मुम्बई-400013।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं मंच
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता - "पेटेंटॉफिस"

फोन : 482 5092 फैक्स : 022 495 0622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कराल बाग,
नई दिल्ली-110 005।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटॉफिस"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,
रिंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदीवी द्वीप।

तार पता - "पेटेंटॉफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई
फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही प्रेषण
किये जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
जहां उद्युक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित
बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा
की जा सकती है।

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD,
CALCUTTA-700 020.

The dates shown in the crescent brackets are the dates
claimed under section 135, under Patent Act, 1970.

22-8-2000

482/Cal/2000. Indian Explosives Ltd. A process for pre-
paration of improved water-in-oil emulsion explo-
sives for use as boosters.

483/Cal/2000. Thomson Licensing S. A. VSB digital
modulator. (Convention No. 09/382,231 filed on
24-8-1999 in United States).

484/Cal/2000. Thomson Licensing S. A. Sin (X)X com-
pensation circuitry. (Convention No. 09/382,235
filed on 24-8-1999 in United States).

485/Cal/2000. Osram Sylvania Inc Mixed flux for yttrium
tantalate X-ray phosphors. (Convention No.
09/398,598 filed on 27-8-99 in USA).

486/Cal/2000. Degussa-Huls Aktiengesellschaft. Furnace
carbon black process for its production and its
use. (Convention No. 09 116 930.1 filed on
27-8-99 in EP).

24-8-2000

487/Cal/2000. One Lus International Co. Ltd. An im-
proved structure of a gear shift lock combina-
tion.

488/Cal/2000. Truizschler GmbH & Co. KG. Apparatus
for opening and cleaning fibre material. (Con-
vention No. 19941446.7 filed on 30-8-99 in Ger-
many).

489/Cal/2000. ARCO Chemical Technology, L. P. A pro-
cess for the preparation of crystalline titanium-
containing molecular sieve.

25-8-2000

490/Cal/2000. General Electric Company. Narrow waist
vane. (Convention No. 09/434,344 filed on
5-11-99 in USA).

491/Cal/2000. General Electric Company. Bowed comp-
ressor airfoil. (Convention No. 09/455,828 filed
on 6-12-99 in USA).

492/Cal/2000. Cytec Technology Corp. A process for
removing suspended solids from a process stream
of a bayer alumina process. (Divided out of No.
1371/Cal/95 antedated to 1-11-95).

28-8-2000

493/Cal/2000. Almal Mani Shankar, And APL Polyfab Pvt. Ltd. Jute/cotton composites for use as foot-wear components and method of manufacture of such components.

494/Cal/2000. General Electric Company. Method for error proofing. (Convention No.(s) 60/157,502 filed on 4-10-99 and 09/442,572 filed on 18-11-99 in USA).

29-8-2000

495/Cal/2000. Deutsche Thomson-Brandt GmbH. Voice control system with a microphone array. (Convention No. 19943875.7 filed on 14-9-99 in Germany).

496/Cal/2000. Copeland Corporation. Compressor pulse width modulation. (Convention No. 09/401,343 filed on 21-9-99 in USA).

497/Cal/2000. General Electric Company. Double bowed compressor airfoil. (Convention No. 09/455,826 filed on 6-12-99 in USA).

498/Cal/2000. Junkers John K. PowerTool. Convention No. 09/427,896 filed on 27-10-99 in USA).

30-8-2000

499/Cal/2000. Deutsche Thomson-Brandt GmbH. Apparatus for adapting the directional characteristic of microphones for voice control. (Convention No. 19943872.2 filed on 14-9-99 in Germany).

500/Cal/2000. Deutsche Thomson-Brandt GmbH. Method and apparatus for speech recognition. (Convention No. 19944325.4 filed on 15-9-99 in Germany).

501/Cal/2000. Bhuyan Dr. Manabendra. An indicator system.

502/Cal/2000. Mitsui Chemicals, Inc. Process for producing aromatic carboxylic acid. (Convention No. 252941/1999 filed on 7-9-1999 in Japan).

503/Cal/2000. Moriyama Kogyo Kabushiki Kaisha. System and device for preventing car thefts. (Convention No.(s) 11-250842 filed on 3-9-2000 and 11-250843 filed on 3-9-99 in Japan).

31-8-2000

504/Cal/2000. Eaton Corporation. Clutch driven disc friction material mounting. (Convention No. 09/393,042 filed on 9-9-99 in USA).

505/Cal/2000. Eaton Corporation. Clutch driven disc friction material mounting. (Convention No. 09/392,945 filed on 9-9-99 in USA).

506/Cal/2000. ELI ELI and Company. Processes and intermediates useful to make antifolates. (Convention No. 60/074,327 filed on 11-2-98 in USA). (Divided out of No. 62/Cal/99 antedated to 28-1-99).

507/Cal/2000. Techno Fab Manufacturing Ltd. Multi-ad display system.

508/Cal/2000. Moriyama Kogyo Kabushiki Kaisha. System and device for preventing car thefts. (Convention No. 11-250844 filed on 3-9-99 in Japan)

1-9-2000

509/Cal/2000. Indian Jute Industries Research Association. A process for the manufacture of natural fibre--Thermoplastic resin composites.

ALTERATION OF DATE UNDER SECTION 16

18/9/98 (519/Cal/97) Antedated to 27th June 1993.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

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In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंध आवेदनों में के किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसकी निर्गम की तिथि से चार (4) महीने या अधिकतम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर जारी है, एक महीने की अवधि से अधिक न है, के भीतर कभी भी विनिर्देश एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत स्थाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाइल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुक्रम हैं।

विनिर्देश तथा चित्र आरखे, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से स्थाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र माहूसे, यदि कोई हो, की प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से स्थाविहित पेटेंटगत शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Int. Cl.⁴ : C 01 F 7/42, C 02 F 11/12.
B 01 D 21/26, B 01 D 37/00.

184991

proprietary capabilities of said first facsimile interface unit.

Ind. Cl. : 80 F.

PROCESS FOR REGENERATION OF BOUND CAUSTIC AND PRODUCTION OF RESIDUE WITH HIGH SOLIDS CONCENTRATION BY DEHYDRATION FILTRATION AND WASHING OF RED MUD.

Applicant ANDRITZ-PATENTVERWALTUNGS-GESELLSCHAFT M.B.H. OF STATTEGGER STRASSE 18, A-8045 GRAZ, AUSTRIA.

Inventors :

1. HUBERT RIEMER
2. DR. HEINZ PERCHTHALER
4. NILS OEBERG
5. PAOLO MURGIA
6. MARIO NORIEGA.

Application No. 466/Ca/95 filed on 24-4-95.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

Process for regeneration of bound caustic, such as herein described, and production of residue with high solids concentration such as herein described, by dehydration/filtration and washing of red mud, and of other waste(s) e.g. sand, if present, deriving from the process of electrolytic production of aluminium from bauxite, characterised in that red mud and other waste(s), coming from a washing settler used in the process, are passed into a pressure filter, such as herein described, for washing followed by dehydration, at a pressure above atmospheric, such as herein described, and at a temperature above 80°C, as further herein described, thereby leading to regeneration of bound caustic and production of residue with a high solids concentration.

(Compl. Specn. 16 Pages;

Drgns. 6 Sheets)

Ind. Cl. : 206 E.

184992

Int. Cl.⁴ : H 04 B 7/26

A FACSIMILE COMMUNICATION SYSTEM.

Applicant : COMSAT CORPORATION OF 6560 ROCK SPRING DRIVE BETHESDA MARYLAND 20817, UNITED STATES OF AMERICA.

Inventors :

1. SPIROS DIMOLITSAS.
2. JACK HOWARD, RIESER.

Application No. 942/Ca/95 filed on 11-8-95.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

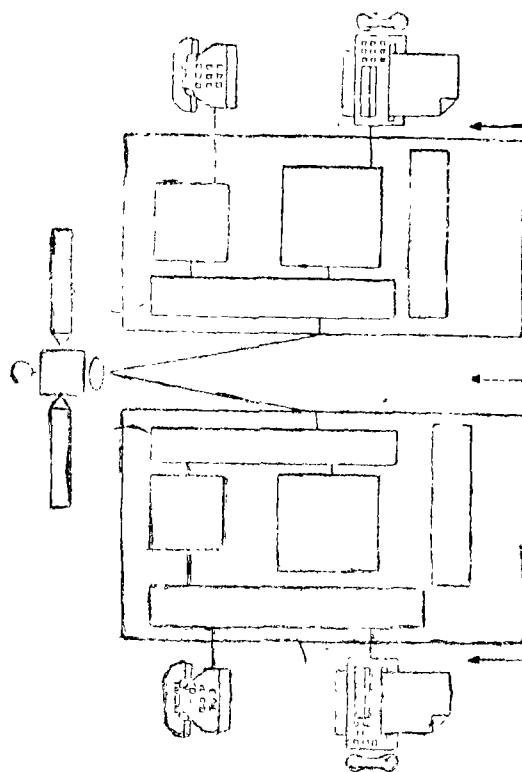
23 Claims

A facsimile communication system comprising :

a first communication station for transmitting baseband signals, said first communication station including a first facsimile interface unit for receiving voiceband facsimile signals and for converting the received voiceband facsimile signals to the baseband signals; and at least one second communication station having a second facsimile interface unit for receiving the transmitted baseband signals and for converting the received baseband signals to voiceband facsimile signals;

wherein said first facsimile interface unit has a circuitry for generating a predetermined line control packet in response to at least one predetermined line state transition in the received voiceband facsimile signals, and circuitry for appending to the generated line control packet a predetermined control code identifying at least one of enhanced and

FIG.1



(Compl. Specn. 22 Pages;

Drgns. 7 Sheets)

Int. Cl.⁴ : G 01 F 1/34.

184993

Ind. Cl. : 101 E

A DEVICE TO MEASURE PRESSURE DEVIATIONS IN HIGH SPEED AIR FLOW.

Applicants : 1. MISHRA, JAGDISH NARAIN OF BIT, MESRA, RANCHI-835 2.5, BIHAR, INDIA, 2. MD. MUSTAFA SIDDIQUI OF P-27, PRINCEP STREET, CALCUTTA-700 072, W. B., INDIA, 3. A. HARI KISHORE OF 5-39 SANTHAPETA KOILKUNTLA-518 134, DIST. KURNOOL (A.P.), INDIA.

Inventors :

- DR. JAGDISH NARAIN MISHRA
MR. A. HARI KISHORE
MR. M. M. SIDDIQUI

Application No. : 1028/Ce/95 filed on 29-8-95

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

2 Claims

"A device to measure pressure deviations in high speed air flow" comprising two pairs of sensors, first pair measuring deviations in total pressure and the second pair measuring the deviations in static pressure, each pair comprising two canulas, one end of each canula is flattened into rectangular ducts (A1, B1) placed side-by-side, secured together, bent into an inverted "L", pressed into a small plate (p) through a cut on it, while flattened ends (A1, B1) resting on the upper surface of the plate (p) to face the air flows, and their extension circular ends projecting out from beneath the plate (p) as extension ends (A2, B2), the second pair of sensors with sensing ends similarly

flattened into rectangular ducts (C1, D1), laid side-by-side, secured together and pressed into the aforesaid plate (p) through an adjacent cut to the former such that the pair of ducts (C1, D1) flushed with the top surface of the plate (p), open orthogonally to the surface while the other ends (C2, D2) of this pair of sensors project out from beneath the plate as extension ends.

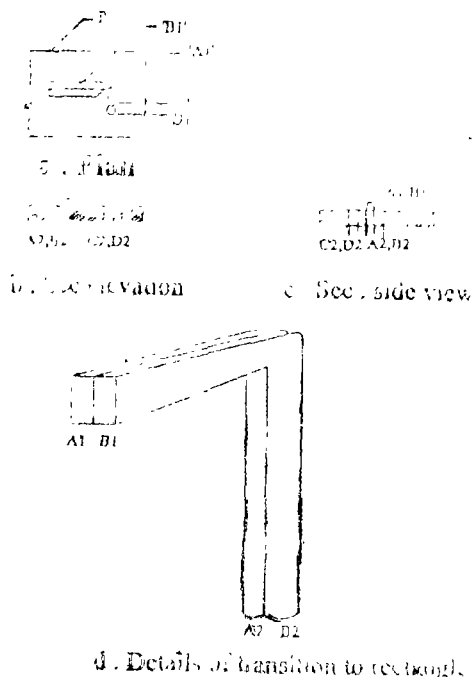


FIG - 1

(Compl. Specn. 11 Pages;

Drgns. 2 Sheets)

Ind. Cl. : 62 D

184994

Int. Cl.¹ : D 01 F 11/02.

CHEMICALLY ASSISTED PROTEIN ANNEALING TREATMENT.

Applicant : COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, OF 407 ROYAL PARADE, PARKVILLE, VICTORIA, 3052, AUSTRALIA.

Inventors :

IAN MAXWELL RUSSELL
ANTHONY PAUL PIERIOT

Application No. : 1251/Cal/95 filed on 16-10-95.

(Convention No. PM8852/94 filed on 17-10-94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A process for treating fabric made from proteinaceous materials containing disulfide or polysulfide bonds comprising annealing the fabric at a temperature in the range of from 70°C to 160°C at a regain of between 10% and 25% for a period greater than about 10 minutes wherein either the fabric is annealed in the presence of a gas such as herein described, which enhances the disulfide interchange reaction, or the fabric has at least in part been treated with a liquid such as herein described which enhances the disulfide interchange reaction.

(Compl. Specn. 27 Pages;

Drgns. 8 Sheets)

Ind. Cl. : 32 F 3(a)

184995

Int. Cl.¹ : C 07 C 45/78.

A PROCESS FOR THE CONTINUOUS PREPARATION OF AQUEOUS FORMALDEHYDE SOLUTIONS.

Applicant : PATENTES Y NOVEDADES S.L. OF PASSEIG DE SANT JOAN 15, 08010-BARCELONA, SPAIN.

Inventor : LLUIS EEK-VANCELLS.

Application No. 1540/Cal/95 filed on 28-11-95.

(Convention No. 9500924 filed on 16-5-95 in Spain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A process for the continuous preparation of aqueous formaldehyde solutions, particularly solutions having a concentration ranging from 53 wt% to 57 wt% the process comprising the following steps :

- supplying air and methanol to an evaporator (4), in which the methanol is evaporated, forming a gas phase mixture of methanol and air;
- reacting said gas phase mixture of methanol and air over a catalyst (6) at an elevated temperature, to obtain a reaction mixture comprising formaldehyde resulting from the partial conversion of methanol, as well as water vapour and non-condensable gases;
- flowing said reaction mixture through at least one absorption column (8) where said mixture is absorbed in an aqueous solution flowing in the opposite direction;
- separating said aqueous solution and said non-condensable gases in said absorption columns;
- cooling and scrubbing said non-condensable gases which entrain small amounts of methanol and formaldehyde; and
- fractionally distilling said aqueous solution, with a corresponding separation of the methanol,

characterized in that there is used a supply column (3) and at least two additional heat exchangers (10, 11, 13) associated with said at least one absorption column (8);

there taking place in said supply column (3) an entry of air and an entry of methanol from the outside, as well as an entry of a first subcurrent of methanol, originating from an outgoing of cold methanol from the foot of the supply column (3);

said outgoing current recirculating successively through said additional heat exchangers (10, 11, 13) and being divided into said first subcurrent which returns to the head of the supply column (3) and a second subcurrent flowing to said evaporator (4);

there existing from the head of the supply column (3) an outgoing current of a methanol and air mixture which flows between said supply column (3) and said evaporator (4);

and wherein said cold methanol has been cooled, inside said supply column (3), by the evaporation of the methanol forming part of said methanol and air mixture.

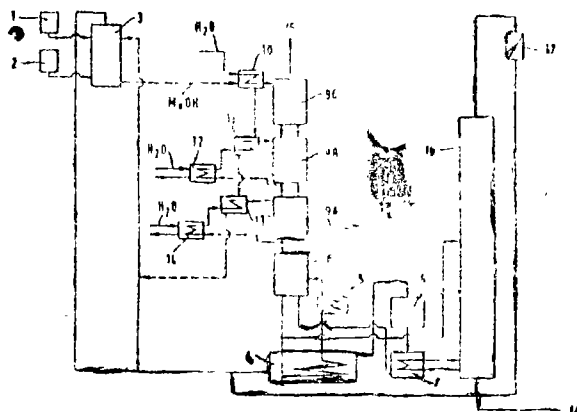


FIG. 1

(Compl. Specn. 19 Pages;

Drgns. 2 Sheets)

Ind. Cl. : 27 C, 152 C, 152 E

184996

Int. Cl.¹ : E 04 B, 1/68.

SEALING DEVICE FOR THE SEALING OF CONCRETE JOINTS.

Applicant : RENE PAUL SCHMID, OF GRUNDSTRASSE 2, 8165 OBERWENINGEN—SWITZERLAND.

Inventor : RENE PAUL SCHMID.

Application No. : 76/Cal/96 filed on 17-1-96.

(Convention No. 19501384.0 filed on 18-1-95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A sealing device for sealing of a joint (2) defined between two concrete sections (3, 4), the sealing device being adapted to be embedded in the concrete sections (3, 4) such that it is arranged at right angle to the abutting surfaces (5, 6) of the joint (2) with the abutting surfaces lying on the concrete sections (3, 4) placed in a manner opposite to each other, said sealing device being formed as a thin-walled lamellar joint strip (1), made of a hard synthetic material, and the dimensions of its spatial shape and wall thickness being so selected as to render it self-supporting.

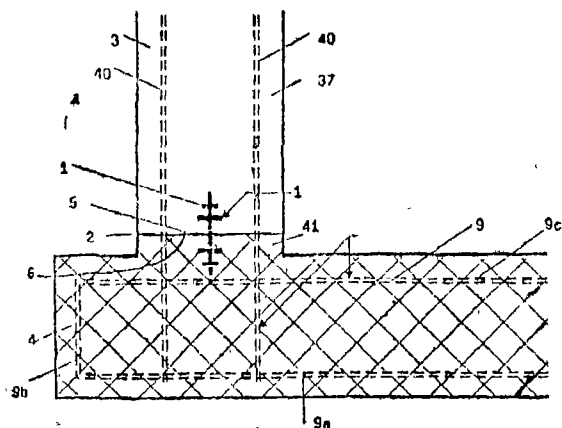


FIG. 19

(Compl. Specn. 27 Pages;

Drgns. 20 Sheets)

Ind. Cl. : 64 B

184997

Int. Cl.¹ : H 01 R—3/04.

GUIDE RAIL FOR RETAINING PLUG-IN ASSEMBLIES IN A MOUNTING RACK.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, 80333 MUENCHEN, GERMANY.

Inventors :

SIEGFRIED KURRER

WERNER KORBER

ERNST BILLENSTEIN

KURT-MICHAEL SCHAFFER

Application No. : 329/Cal/96 filed on 23-2-96.

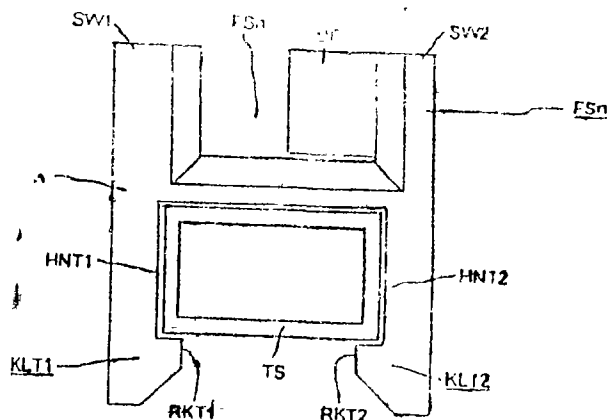
(Convention No. 29508853.2 filed on 29-5-95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

Guide rail for retaining plug-in assemblies in a mounting rack, comprising :

- a supporting rail (TS) which can be matched to the length of the respective plug-in assembly.
- two end pieces (K) which each have a coupling region (KP) for connection to one end (ES) of the supporting rail (TS), and each have, on the top side, a guide groove (FN : FN 1, FN 2, FN 3) for accommodating the edge of a plug-in assembly, and having
- groove segment parts (FSn) which each have, on the top side, a guide groove segment (FNN) for accommodating the edge of a plug-in assembly and, on the underside, latching elements (KLT1, KLT2, RKT1, RKT2, HNT1, HNT2), by means of which the said groove segment parts can be latched to, or plugged onto, the supporting rail (TS) in the manner of a head in such a way that the guide grooves of the end pieces (K) and of the groove segment parts (FSn) fitted on in between are flush.



(Compl. Specn. 13 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 108 B_i

184998

Int. Cl.¹ : C 21 B, 13/00.

A PROCESS FOR THE DIRECT REDUCTION OF IRON OXIDE-CONTAINING MATERIALS WITH SOLID CARBONACEOUS REDUCING AGENTS.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, GERMANY.

Inventors :

BRESSER, WOLFGANG
HIRSCH, MARTIN
KOSTERS, BERND

Application No. 519/Cal/97 filed on 21-3-97.

(Divided out of No. 356/Cal/93 antedated to 24-6-93).

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for the direct reduction of iron oxide-containing materials with solid carbonaceous reducing agents wherein the iron oxide-containing materials are reduced in a first fluidized bed vessel containing an expanded fluidized bed and supplied with solid carbonaceous reducing agents, and fluidizing gas and operated under weakly reducing conditions and with such a short residence time of the gas in the fluidized bed vessel that the reduction potential results in a reduction to or to less than the FeO state, the gas-solids suspension discharged from the first fluidized bed vessel containing an expanded fluidized bed is fed to a second fluidized bed vessel containing an expanded fluidized bed, a highly reducing gas is fed as a fluidizing gas to the second fluidized bed vessel, an exhaust gas and a major part of the resulting carbonized carbonaceous material is separated from said exhaust gas and recycled to the first fluidized bed vessel, the remaining exhaust gas is purified and CO₂ is removed therefrom and subsequently a part of said gas is recycled as a highly reducing fluidizing gas to the second fluidized bed vessel, reduced material which has been metallized to a degree from 50 to 80% and the remainder of the carbonized carbonaceous material are discharged together from the lower portion of the second fluidized bed vessel, the carbonized carbonaceous material which is recycled to the first fluidized bed vessel is recycled at a rate which is a multiple of the rate at which the iron oxide-containing materials are charged to the first fluidized bed vessel, and the heat content of the suspension passed from the first fluidized bed vessel to the second is sufficient to supply the second fluidized bed vessel with the heat required to be assumed therein, characterised in that the material discharged from the lower portion of the second fluidized bed vessel is charged to a third fluidized bed vessel, the exhaust gas from the second fluidized bed vessel is purified and CO₂ is removed therefrom and a part of said exhaust gas is subsequently fed as a fluidizing gas to the third fluidized bed vessel, the exhaust gas from the third fluidized bed vessel is fed as a secondary gas to the lower portion of the second fluidized bed vessel, the material discharged from the second fluidized bed vessel is further reduced in the third fluidized bed vessel to a metallization upto 95% and the reduced material is withdrawn from the third fluidized bed vessel.

Compl. Specn. 20 Pages;

Drgns. 2 Sheets.

Ind. Cl. : 32 F₃ C, 77 D

184999

Int. Cl.⁴ : C 07 C-67/03, 69/30 C 11 C-1/02

A PROCESS FOR THE PRODUCTION OF MONGLYCERIDES BY GLYCEROLYSIS OF METHYL ESTER.

Applicant : GLOBAL PALM PRODUCTS SDN. BHD. OF PLO 519, JALAN BEST SATU PASIR GUDANG INDUSTRIAL ESTATE, 81700, PASIR GUDANG, JOHOR DARUL TAKZIM, MALAYSIA.

Inventors :

DR. JEROMIN, LUTZ.
DR. WOZNY, GUENTER.; 1:1 PU.

Application No. 2255/Cal/97 filed on 1-12-97.

(Convention No. PI 9703796 filed on 19-08-97)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A process for the production of monglycerides by glycerolysis of methyl ester derived from animal or vegetable fat and oils in a reactor by transesterification, wherein the methyl ester is first subjected to fractionation into different chain lengths, or crystallisation into saturated and unsaturated species, or hydrogenation (hardening) and subsequently the reaction comprises :

- (i) mixing a surplus of 1 to 3 moles of glycerol in relation to methyl ester,
- (ii) subjecting the reaction mixture to a reaction temperature between 130°C to 160°C at a vacuum of 200 to 400 mbar,
- (iii) adding an alkaline catalyst, such herein described, in concentrations between 0.1 to 1%,
- (iv) stopping the reaction by quench cooling of the reaction mixture to a temperature between 80°C to 90°C and destroying and inactivating the catalyst by the addition of water for methylate catalyst and neutralizing with acid for the other catalysts, when the quantity of glycerides has reached a concentration of 40 to 60% and the ratio of concentrations of mono and diglyceride lies between 3 to 10,
- (v) extracting the soaps generated by the catalyst with water, and splitting of soaps by acidification with acids into fatty acids and salts;

and, optionally prior to carrying out said step (v) : leaving the catalyst in the reaction mixture to catalyze the reaction downstream of the reactor in the distillation equipment, separating the surplus glycerol by distillation, stopping the reaction by quench cooling of the reaction mixture, and destroying and inactivating the catalyst, by the addition of water for methylate catalyst and neutralization with acid for the other catalysts when the quantity of glycerides has reached the concentrations of 40 to 60% and the ratio of concentrations of mono and diglyceride lies between 3 to 10.

Compl. Specn. 22 Pages;

Drgns. 0 Sheet.

Ind. Cl. : 55 E₂

185000

Int. Cl.⁴ : A 61 K 35/78

PROCESS FOR THE PREPARATION OF EFFECTIVE WOUND HEALING OINTMENT FROM RED SANDAL WOOD.

Applicant : PROF. BISWAPATI MUKHERJEE, DR. TUHIN KANTI BISWAS., DR. NITAI P. BHATTACHARYA, DR. LAKSHMI NARAYAN MAITY.

Inventors :

PROF. BISWAPATI MUKHERJEE.
DR. TUHIN KANTI BISWAS.
DR. NITAI P. BHATTACHARYA.
DR. LAKSHMI NARAYAN MAITY.

Application No. 208/Cal/99 filed on 12-3-99.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for the preparation of effective wound healing ointment from the stem of red sandal wood comprising of the following steps :—

- (i) The stem of red sandal wood is ground, dried and made to fine powder,

(ii) The powder is mixed up with white soft paraffin (mp 45-50°C) in a homogeniser for a certain period to prepare an ointment of concentration varying from 10-20% w/w at ambient temperature.

(iii) The ointment obtained from step (ii), is kept in inert atmosphere below 20°C temperature for proper preservation.

Compl. Specn. 7 Pages;

Drgns 0 Sheet.

Ind. Cl. : 170A

185001

Int. Cl.⁴ : A 61K 7/00

A SYNERGISTIC SKIN CARE COMPOSITION.

Applicant : RICHARDSON-VICKS, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF ONE FAR MILL CROSSING, SHELTON STATE OF CONNECTICUT, UNITED STATES OF AMERICA.

Inventors :

NOELLE CAROLYN ALBAN, U.S.A.

GEORGE ENDEL DECKNER, U.S.A.

Application for Patent No. 1146/Del/91 filed on 25-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A synergistic skin care composition in the form of a substantially oilfree aqueous gel comprising :—

- (a) from 0.5% to 20% by weight of a water soluble humectant;
- (b) from 0.1% to 20% by weight of a hydrophilic gelling agent;
- (c) from 1.0% to 10% by weight of a silicone component consisting essentially of;
 - (i) a silicone gum having a molecular weight of from 200,000 to 540,000 selected from the group consisting of dimethiconol, fluorosilicone and dimethicone or mixtures thereof; and
 - (ii) a silicone based carrier having a viscosity from 0.65 cps to 100 cps; wherein the ratio of (i) to (ii) is from 10 : 90 to 20 : 80 and wherein said component has a final viscosity of from 500 cps to 10,000 cps; and
- (d) optionally other conventional skin care composition components.

Compl. Specn. 29 Pages;

Drgn. Sheet Nil.

Ind. Cl. : 128 G

185002

Ind. Cl.⁴ : A 61B 17/42

A PACEMAKER STIMULATING DEVICE FOR USE IN THE AILMENT OF OBESITY.

Applicant : JAGDISH CHAND MANGLA, AN INDIAN NATIONAL OF P-15 GREEN PARK EXTENSION, NEW DELHI-110 016, INDIA.

Inventor : JAGDISH CHAND MANGLA, INDIA.

Application for Patent No. 1152/Del/91 filed on 25-11-91,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A pacemaker stimulating device for use in the ailment of obesity comprising :—

- (i) a tube having a distal end and a proximal end;
- (ii) an inflatable member integrally provided with said proximal end being provided to be disposed within the stomach in the region of the pacemaker junction or satietyogenic area of the stomach;
- (iii) a valve being provided at the distal end of said tube such that to be projected outside the anterior abdominal wall;
- (iv) a connector being provided at the distal end of said tube for removably connecting a manometer and a syringe therewith for regulating pressure in said inflatable member.

Compl. Specn. 12 Pages;

Drgn. Sheet 1.

Ind. Cl. : 71 G

185003

Int. Cl.⁴ : E 02F-3/14

DRAGLINE BUCKET FOR USE IN COLLECTING MATERIAL.

Applicant : ESCO CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OREGON, UNITED STATES OF AMERICA, OF 2141 N. W. 25TH AVENUE, PORTLAND, OREGON-97210, UNITED STATES OF AMERICA.

Inventor : TERRY L. BRISCOE, U.S.A.

Application for Patent No. 46/Del/92 filed on 21-1-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

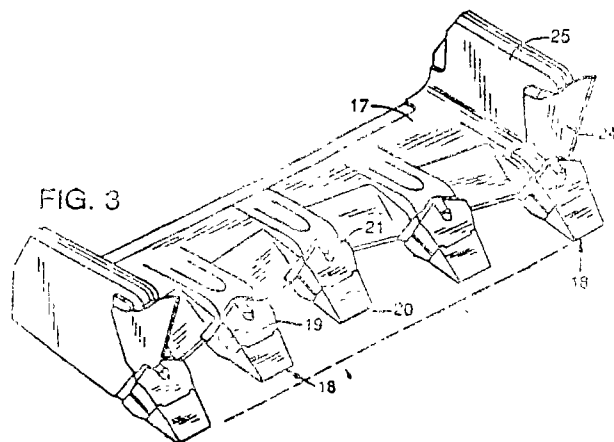
A dragline bucket for use in collecting material by being dragged over the material, said dragline bucket comprising :

a body having a bottom wall, a pair of side walls and a rear wall, said walls cooperatively forming an open front and a cavity for receiving the collected material, said bottom wall including a forward lip forming a bottom boundary for said open front, said body further having an axis extending centrally between said side walls,

a plurality of teeth to engage and disrupt the material as said dragline bucket is dragged along the material, said teeth being secured to said lip at spaced apart locations such that a gap is provided between each pair of adjacent teeth, said gaps exposing portions of said lip to said material so that said lip portions collect the material disrupted by said teeth into said cavity of said body, and

means for attaching a dragline, hoist line, and dump line to said body to operate said dragline bucket for excavation purposes, characterized by each said tooth projecting forward

a distance greater than the teeth located closer to said axis of said bucket so that said teeth are collectively arranged in a generally concave shape.



Compl. Specn. 10 Pages;

Drgns. 2 Sheets.

Ind. Cl. : 104G

185004

Int. Cl. : B 29B-15/10

A PROCESS FOR PRODUCING A NEUTRALIZED LATEX.

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 1144 EAST MARKET STREET, AKRON, OHIO 44316-0001, UNITED STATES OF AMERICA.

Inventors :

RICHARD EDMUND SRAIL, U.S.A.

GARY LEE BURROWAY, U.S.A.

Application for Patent No. 48/Del/92 filed on 21-1-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

13 Claims

A process for producing a neutralized latex that is useful in the manufacture of water reducible coatings which is characterised by :

(1) free radical aqueous emulsion polymerizing, at a PH of less than 3.5 a monomer mixture which comprises, based on 100 weight percent monomers : (a) from 30 to 70 weight percent vinyl aromatic monomers, of the kind as hereinbefore described (b) from 25 to 65 weight percent of at least one alkyl acrylate monomer of the kind as hereinbefore described and (c) from 1 to 5 weight percent of acrylic acid and (d) 0.4 to 3 weight percent methacrylic acid; in the presence of 0.2 to 0.4 phm at least one conventional sulfonate surfactant and in the presence of 4 to 8 phm of at least one conventional nonionic surface active agent having a hydrophile-lipophile balance number which is within the range of 12 to 20 to produce a latex; and

Compl. Specn. 24 Pages;

Drgn. Sheet Nil

Ind. Cl. : 27I

185005

Int. Cl.⁴ : E 04C 1/00

AN END CONNECTOR FOR WALL STRUCTURE.

Applicant : ALEJANDRO STEIN, A CITIZEN OF VENEZUELA, OF 177 OCEAN LANE DRIVE, KEY BISCAYNE, FLORIDA 33149, UNITED STATES OF AMERICA.

2-297G1/2000

Inventor : ALEJANDRO STEIN, U.S.A.

Application for Patent No. 51/Del/92 filed on 22-1-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

An end connector for wall structure for the joining of one end of tubular member to one end of at least one other such tubular member having a similar connector, comprising :

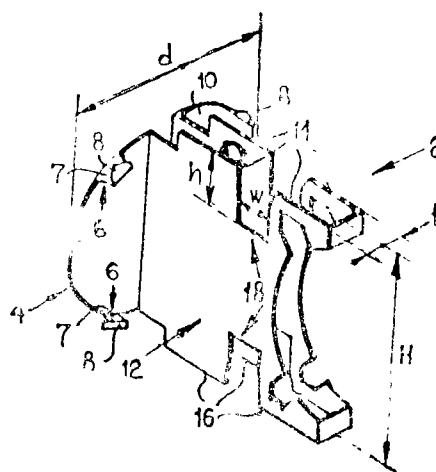
a first portion (4) shaped to fit said tubular member and fixedly attachable to said end;

a second, substantially flat portion (12) having two opposite, in assembly an upper and a lower edges (14,16) and extending in the longitudinal direction of said tubular member, said flat portion being disposed, in assembly, in substantially vertical plane;

notch-like recesses (18), mutually aligned, extending from each of said edges in a direction substantially perpendicular thereto, the width (W) of said notch-like recesses being at least equal to the (X) thickness of said second, flat portion at the location of said recesses;

wherein at least at the region of said recesses, the distance (4) between the upper and lower edges of said second portion exceeds the major outside dimension of said tubular member to the effect that upon assembly of said tubular members and said end connectors, a gap is produced between superjacent tubular members disposed in one and the same plane.

FIG. 1



Compl. Specn. 17 Pages;

Drgns. 4 Sheets.

Ind. Cl. : 206E

185006

Int. Cl.⁴ : H 04L-7/10

A PHASE-LOCK BANDWIDTH CONTROL APPARATUS.

Applicant : MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAMBURG, ILLINOIS, 60196, UNITED STATES OF AMERICA. HEREBY DECLARE.

Inventors :

DONALD R. BEYER, U.S.A.

MATTHEW R. MILLER, U.S.A.

KRSMAN NARTINOVICH, U.S.A.

Application for Patent No. 60/Del/92 filed on 28-1-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

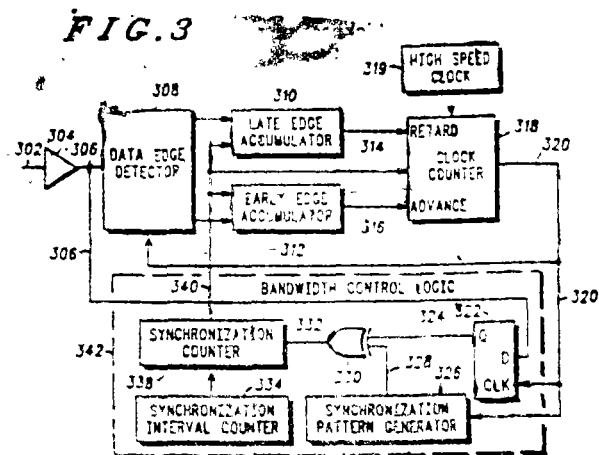
2 Claims

A phase-lock bandwidth control apparatus (342) for use in a data transmission receiver having a phase-lock circuit for producing a phase-adjusted clock signal as hereinbefore described, the said phase-lock bandwidth control apparatus comprising :

means (326) for generating a predetermined synchronization pattern to produce a reference synchronization pattern (328), and

means (330) for comparing the periodic synchronization pattern with said reference synchronization pattern to produce a synchronization value (332), and

means (338), coupled to said means for comparing, for counting occurrences of said synchronization value, to generate a signal upon reaching a predetermined threshold value, for switching the phase-lock circuit from the first bandwidth mode to the second bandwidth mode.



Compl. Specn. 14 Pages;

Drgns. 2 Sheets

Ind. Cl. : 56A

185007

Int. Cl.⁴ : F 28B 1/06

CONDENSATION APPARATUS FOR IMPROVING THE THERMAL EFFICIENCY OF A THERMODYNAMIC CYCLE.

Applicant : ALEXANDER I. KALINA, A U.S. CITIZEN OF 105 GLEN GARRY WAY, HILISBOROUGH, CALIFORNIA 94010, UNITED STATES OF AMERICA.

Inventor : ALEXANDER I. KALINA, U.S.A.

Application for Patent No. 63/Del/92 filed on 29-1-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

14 Claims

Condensation apparatus with improving the thermal efficiency of a thermodynamic cycle comprising :

at least one expander (202) for expanding a high pressure gaseous working stream and generating a spent stream condensation sub-system (206) connected to the said expander, for receiving and condensing the spent stream and producing rich and lean streams;

boiler (201) connected to the said condenser for passing the rich stream and lean stream and generating an evaporated rich stream and lean stream; and

at least one stream mixer (214) connected to the said boiler for combining the evaporated rich stream with the evaporated lean stream after two evaporated streams exit from the said boiler generating the high pressure gaseous working streams, characterised in the said condensation sub-system includes :

- (i) a condenser (228) that condenses the said spent stream into a condensed stream;
- (ii) one or more heat exchangers (220-225) connected to receive and partially evaporate said condensed stream to provide a partially evaporated stream; and
- (iii) a gravity separator (229) that is connected to receive said partially evaporated stream and to generate a vapor output connected to provide said rich stream (29).

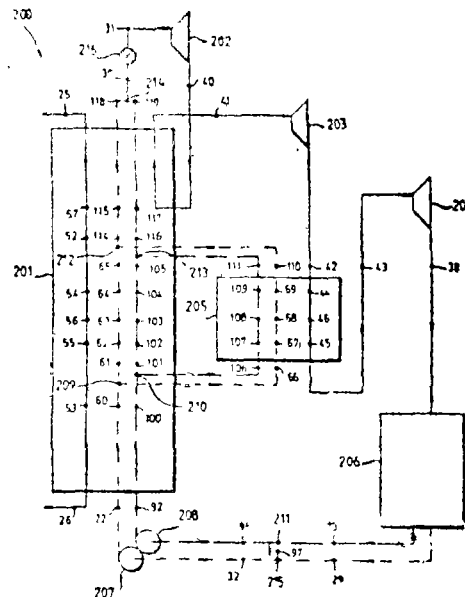


FIG. 4

Compl. Specn. 24 Pages;

Drgns. 2 Sheets

Ind. Cl. : 32F3(1)

185008

Int. Cl. : C 07C-63/34

A PROCESS FOR MANUFACTURING TEREPHTHALIC ACID.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors :

ERIC HINDMARSH, ENGLAND.
JOHN ARTHUR TURNER, ENGLAND.
DAVID PARKER, ENGLAND.

Application for Patent No. 75/Del/92 filed on 3-2-92.

Convention date 5-2-91/9102393.7/UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A process for manufacturing terephthalic acid comprising :

- oxidising para xylene in a liquid reaction medium comprising acetic acid; and

- separating the terephthalic acid from the said liquid reaction medium as crude solid;
- dissolving the said crude terephthalic acid in a liquid comprising water to produce a solution; and
- purifying the said terephthalic acid by :
 - (i) contacting the said solution under reducing conditions with hydrogen and a heterogeneous catalyst such as hereinbefore described for the reduction of at least some impurities,
 - (ii) cooling the solution after the said reduction to precipitate solid purified terephthalic acid, and
 - (iii) separating aqueous mother liquor from the said precipitate,

characterised in that the said aqueous mother liquor is treated in a manner as herein before described to produce a less pure precipitate comprising terephthalic acid and a second mother liquor which in turn are further treated by at least one of the following steps in order to obtain pure terephthalic acid :

- (a) the less pure precipitate is returned directly or indirectly to the reaction medium.
- (b) at least part of the said second mother liquor is, directly as such or indirectly after treatment, used to dissolve the crude solid; and
- (c) the said second mother liquor is passed to fractional distillation which is carried out at a reflux ratio of 2 to 10 and by using 25 to 125 theoretical plates and treated water is recovered from the said fractional distillation and is used to wash the precipitate recovered from the solution after the reduction step.

(Compl. Specn. 13 Pages;

Drgns. 3 Sheets.)

Ind. Cl. : 32E

185009

Int. Cl.⁴ : CO8F, 30/02

METHOD FOR SYNTHESISING POLY (VINYL PHOSPHONIC ACID).

Applicant : BRITISH TECHNOLOGY GROUP LIMITED
A BRITISH COMPANY REGISTERED IN ENGLAND, OF
101 NEWINGTON CAUSEWAY, LONDON SE1 6BU, ENGLAND.

Inventors :

JULIAN HUGH BRAYBROOK, UK.

JOHN ELLIS, UK.

Application for Patent No. 0076/Del/92 filed on dt. 3-2-92.

Convention Application No. 9102501.5/UK/06-02-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A method for the preparation of poly (vinylphosphonic acid), said method comprising the steps of dissolving a vinylphosphonyl compound and a cross-linking additive in any order in a known conventional solvent said additive being selected from the group consisting of an aldehyde and an epoxide of the kind such as hereinbefore described, thereafter adding a conventional polymerization initiator allowing such polymerization in a known manner to proceed to produce a polymerization product, and hydrolyzing in any conventional manner said polymerization product to produce poly (vinylphosphonic acid).

(Compl. Specn. 9 Pages;

Drgn. Sheet Nil).

Ind. Cl. : 6B₂

185010

Int. Cl.⁴ : F28G 3/16

AN AIR BLASTER TO REMOVE OBSTACLE.

Applicant : LINEMANN HALFLO INDIA LIMITED 75-76, NEHRU PLACE, NEW DELHI-110 019 (INDIA).

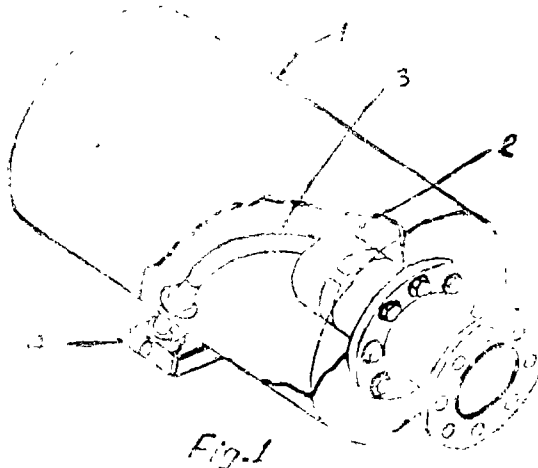
Inventor : ANAND SWAROOP GARG, INDIA.

Application for Patent No. 0079/Del/92 filed on dt. 04-02-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An air blaster to remove obstacle comprising an air receiver vessel (1) to receive the compressed air, a discharge valve (12) provided at one end of said air receiver vessel 1, characterized in that said discharge valve (12) being mounted within said air receiver vessel 1, the inner end of said discharge valve (12) being connected to a solenoid valve 4 through an internal hose 3 so as to provide air into said air receiver vessel 1, the outer end of said discharge valve (12) being connected to a probe (13) through a vent (9) and discharge pipe 10 so as to discharge air in the bunker with a very high pressure.



(Compl. Specn. 12 Pages;

Drgns. 2 Sheets).

Ind. Cl. : 29 B

185011

Int. Cl.⁴ : G 07 G 1/12

A TERMINAL APPARATUS FOR CONDUCTING CASHLESS TRANSACTIONS.

Applicant : MASTERCARD INTERNATIONAL INC. OF
888, SEVENTH AVENUE, NEW YORK, NEW YORK
10106, UNITED STATES OF AMERICA.

Inventor : EDWARD JOHN HOGAN.

Application No. 8/Bom/95 filed on 4-1-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

19 Claims

Terminal apparatus for conducting a cashless transaction requiring transaction amount to complete said transaction comprising :

means (402) for receiving a card apparatus containing data representing at least an available fund;

means (502) for reading said data from said card apparatus;

means (501) responsive to at least said data representing said available fund for automatically increasing said available fund by a predetermined fund amount; and

means (307, 501) for decreasing said available fund by said transaction amount to complete said cashless transaction.

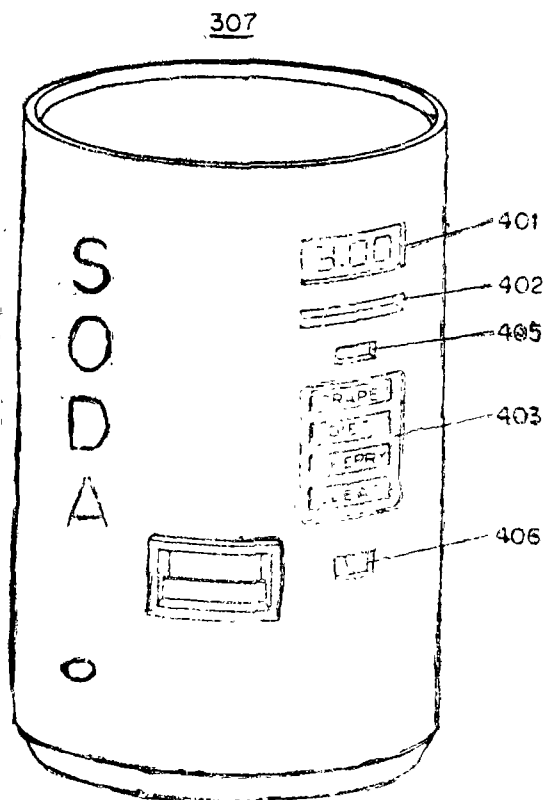


FIG. 4

(Compl. Specn. 29 Pages;

Drgns. 8 Sheets).

Ind. Cl. : 131 A(2)

185012

Int. Cl.⁴ : B 63 B 35/44

SEMI-SUBMERGED MOVABLE MODULAR OFF-SHORE PLATFORM.

Applicant : YEN T. HUANG, OF DALLAS, TEXAS, UNITED STATES OF AMERICA.

Inventor : YEN T. HUANG.

Application No. 461/Cal/95 filed on 24-4-95.

(Convention No. 08/418, 545 filed on 7-4-95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

29 Claims

A modular offshore platform support comprising :

an outer dodecahedrous structure (62) having a modular frame construction defining an outer shell (60) with a first radii,

an inner dodecahedrous structure (82) having a modular frame constructions defining an inner shell having a second radii smaller than the first radii of the outer dodecahedrous structure (62) and

structure (86) supporting said inner dodecahedrous structure within the outer dodecahedrous structure to define a volume (V) therebetween, said volume being fluid tight to provide a buoyant support structure when positioned in an offshore location.

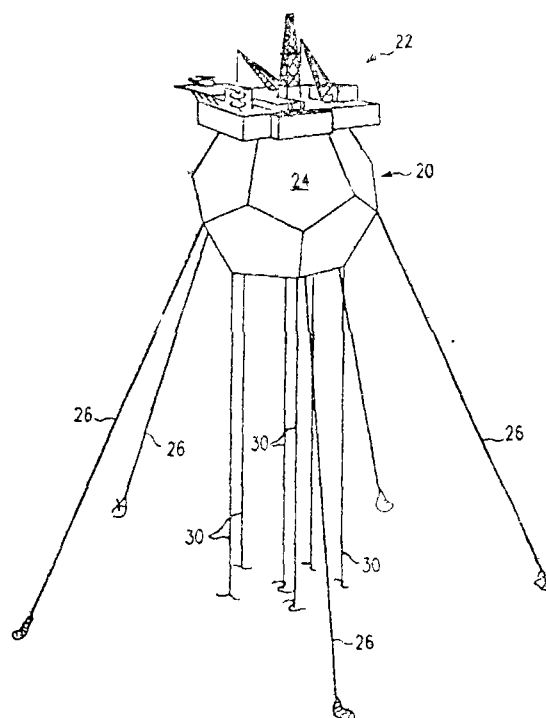


FIG. 1

(Compl. Specn. 20 Pages;

Drgns. 9 Sheets).

Ind. Cl. : 146 D2

185013

Int. Cl.⁴ : G 02 B 27/18

POLARIZED LIGHT METALLOGRAPHIC PROJECTOR.

Applicant : DR. ASIT KUMAR ROY OF 5/2B, R. N. CHOWDHURY ROAD, CALCUTTA-700 015, WEST BENGAL, INDIA

Inventor : DR. ASIT KUMAR ROY.

Application No. 465/Cal/95 filed on 24-4-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

14 Claims

A polarised light metallographic projector comprising :

- a horizontal input channel (I.C) provided with a polarizer (P) in an opaque lamp box (C.P) having a lamp (L), a reflector (C.R) and a condenser (c)
- a horizontal output channel (O.C) containing an insertable analyzer (A) aligned at an angle less than 20°C with the input channel
- a projection lens (P.L) at the front of the output channel (O.C)
- a vertical circular, graduated rotatable projector stage (P.S) with specimen holder to hold the specimen and fixed at the same distance from the back end of two channels.

for studying the optical and microscopic properties the sample specimen in reflected polarized light.

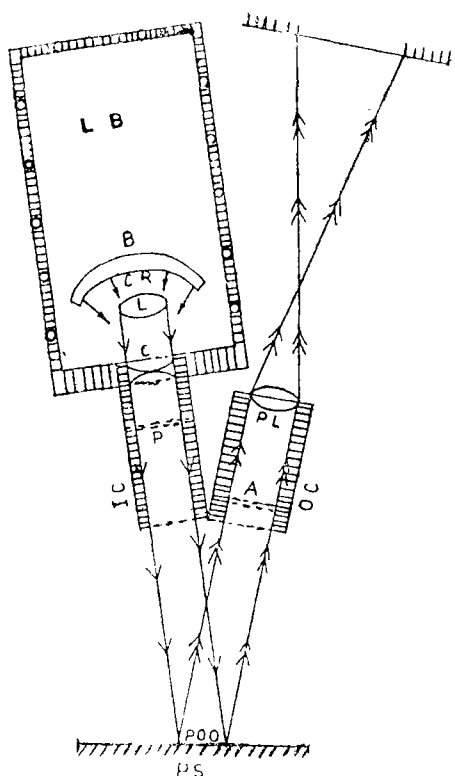


FIGURE - 2

Compl. Specn. 32 Pages;

Drgns. 5 Sheets.

Ind. Cl. : 136 A

185014

Int. Cl.⁴ : B 29 C 39/00

A METHOD OF MANUFACTURING HOLLOW STRUCTURAL MEMBER AND A HOLLOW STRUCTURAL MEMBER MADE THERE BY.

Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. OF 1006 OAZA KADOMA, KADOMA-SHI, OSAKA 571, JAPAN.

Inventors :

KAORU SHIMIZU.

KAZUHIKO KODAMA.

Application No. 977/Cal/95 filed on 21-8-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

37 Claims

A method of manufacturing a hollow structural member such as a set table for mounting a TV receiver or a casing of an electronic appliance, comprising :

(a) a step of pouring a molding material such as herein described, into a die;

(b) a first injection step of injecting gas such as herein described into the material to form at least one hollow part in the material;

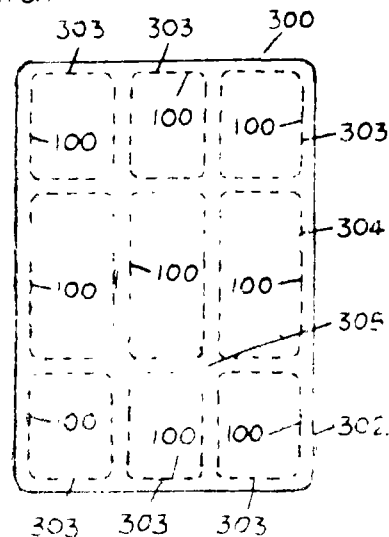
said method being characterized by further providing :

(c) a second injection step of injecting a substance such as herein described having a function into the hollow part within the material to physically deposit a functional means onto

the side surface of the hollow part before the molding material is fully solidified;

(d) a step of solidifying both the material having the hollow part and the functional means deposited on the inside surface of the hollow part to form a structural member such as herein described.

Fig. 6A



Compl. Specn. 32 Pages;

Drgns. 8 Sheets.

Ind. Cl : 40 F

185015

Int. Cl.⁴ : C 10 G 47/32

A METHOD FOR THERMO-MECHANICAL CRACKING AND HYDROGENATION OF CARBONACEOUS MATERIALS AND AN APPARATUS THEREFORE.

Applicant : THERMTECH A/S OF N-6900 FLORO, NORWAY.

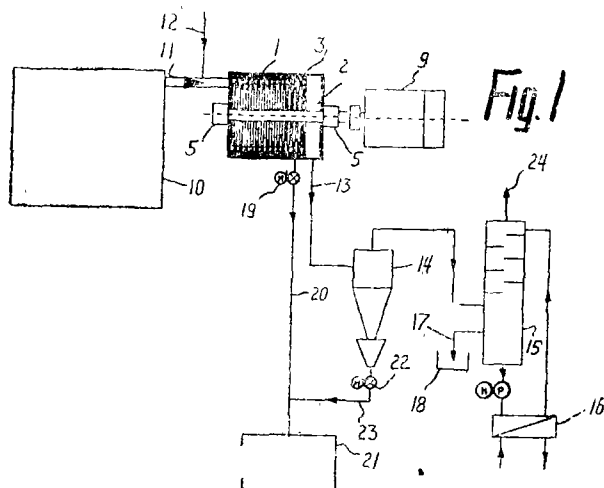
Inventor : OLAV ELLINGSEN.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

7 Claims

A method for thermo-mechanical cracking and hydrogenation of carbonaceous materials consisting of hydrocarbons, petroleum residues, plastic, rubber and the like in either liquid or solid state, characterized in that the cracking and the hydrogenating of the substances in the presence of hydrogen releasing chemicals as water is performed in a fluidized bed of fine grained solids, such that mechanical action, caused in the fluidized bed, generates the heat participating in the cracking in addition to the mechanical action to the substances for cracking the chemical substance into cavitating microbubbles: said mechanical action being carried out by

bringing the fine grained solids of the fluidized bed into contact with friction elements and the hydrogenation takes place in the reactor.



Compl. Specn. 16 Pages;

Drgns. 9 Sheets.

Ind. Cl. : 5 D.

185016

Int. Cl.^A : E 01 C, 19/23.

ROAD ROLLER.

Applicant : SVEDALA COMPACTION EQUIPMENT AKTIEBOLAG OF BOX 504, 371 23 KARLSKRONA, SWEDEN.

Inventors :

1. JORGEN LINDGREN
2. SVEN ERIK SAMUELSSON
3. ANDERS THULIN.

Application No. 1109/Cal/95 filed on 14-9-95.

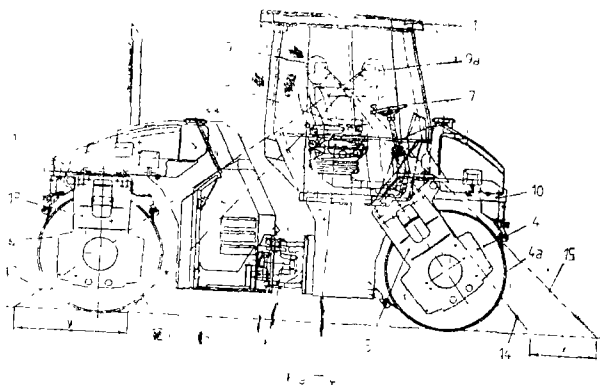
(Convention No. 9403841-1 filed on 11-11-94 Sweden).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972). Patent Office, Calcutta.

3 Claims

A device for road rollers, equipped with cabs, for compacting road surfaces made primarily of asphalt, characterised in that :

- with width of the cab (1) on one side exceeds the width of the road roller's rollers (4 and 12 respectively) to a degree giving the road roller's operator (9) an unobstructed view from inside the cab along the roller's edges (4a and 12a respectively) on this side;
- the width of the cab (1) on the road roller's other side does not exceed the width of the road roller's rollers (4 and 12 respectively) on this side;
- the frame forks (5) of the roller (4) are tilted to the rear enough so that they do not block the road roller operator's forward lines of sight (14 and 15 respectively) along the edge (4a) of the roller.



(Compl. Specn. 7 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 144 A, 144 E6.

185017

Int. Cl.^A : C 09 D - 5/46, 5/03, 5/36, 5/38, 17/00, B 05 D - 7/16, C 03 C - 17/28, C 04 B - 41/82.

IMPROVED POWDER COATING COMPOSITION.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG OF FRANKFURTER STRASSE 250, 64293 DARMSTADT, GERMANY.

Inventors :

1. MANFRED KIESER
2. ALFRED HENNEMANN
3. OTTO STAHLCKER.

Application No. 1260/Cal/95 filed on 17-10-95.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972). Patent Office, Calcutta.

8 Claims

Improved powder coating composition characterized in that it contains from 0.1 to 10% by weight of conductive pigments such as herein described, the rest being powder coating such as herein described and optionally one or more additional lustre pigments in a proportion of 0.1 to 40% by weight, based on the total weight of the improved powder coating.

(Compl. Specn. 14 Pages;

Drgn. 0 Sheets)

Ind. Cl. : 206 B.

185018

Int. Cl.^A : H 03 D - 5/00.

A DEMODULATING AND DECODING APPARATUS FOR A SYSTEM SUITABLE FOR RECEIVING A MODULATED VIDEO SIGNAL.

Applicant : THOMSON CONSUMER ELECTRONICS, INC. OF 600 NORTH SHERMAN DRIVE, INDIANAPOLIS, INDIANA 46201, UNITED STATES OF AMERICA.

Inventor : JOHN SIDNEY STEWART .

Application No. 1371/Cal/95 filed on 31-10-95.

(Convention No. 501,752 filed on 12-7-95 in United States of America).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972). Patent Office, Calcutta.

10 Claims

A demodulating and decoding apparatus for a system suitable for receiving a modulated video signal, such as a television signal, from multiple types of transmission channels, said video signal being representative of compressed digital video information encoded in one of a plurality of coding formats and exhibiting one of a plurality of modulation formats, apparatus comprising :

a demodulator (202) for selectively demodulating said modulated video signal in a manner appropriate to a selected one of said plurality of modulation formats to produce a demodulated output signal ;

a decoder (200) for selectively decoding said demodulated signal in a manner appropriate to a selected one of the said plurality of coding formats to produce a demodulated and decoded signal; and

a micro controller interface (204) for providing control signals to said decoder.

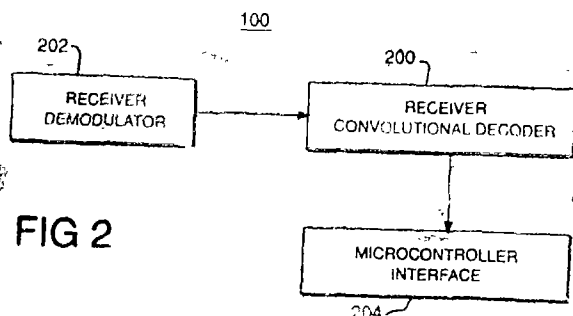


FIG 2

(Compl. Specn. 18 Pages)

Drgns. 6 Sheets)

Int. Cl.⁴ : G 08B-1/08.

185019

Ind. Cl. : 186 B.

A SELECTIVE CALL SYSTEM.

Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V. OF THE NETHERLANDS AT GROENWOUDSEWEG 1, 5621 BA EINDHOVEN, THE NETHERLANDS.

Inventor : GIBSON RODNEY WILLIAM.

Application No. : 1391/Cal/95 filed on 6-11-95. (Convention No. 94222650 filed on 4-11-94 in United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

9 Claims

A selective call system, such as described herein by way of example with reference to figures 1, 2 and 3 of the accompanying drawings, comprising a primary station (12) having a transmitter/receiver, and being connected to controller (10) having means (22) for forming messages to be transmitted, and one or more secondary stations (SS1, SS2), the or each said secondary station having receiving means (38) for receiving messages transmitted from the primary station, characterised in that the controller is provided with means (26, 32) for generating invitation signals to be transmitted by primary station (12) at different power output levels which are adjustable between predetermined lower and upper limits, and in that the or each secondary station is provided with means (42) for detecting the invitation signals at the lower or lowest power level thereof and means (58) for transmitting spread spectrum signals in response to the lower or lowest power-level invitation signals detected by means of (42).

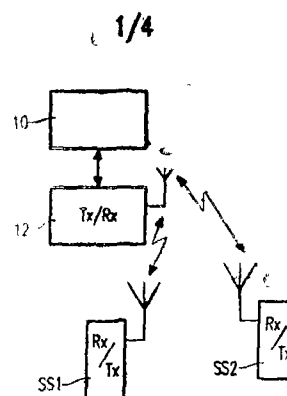


FIG. 1

Comp. Specn. 21 pages.

Drgns. 4 sheets.

Int. Cl.⁴ : F 25 B, 1/64 F 16 K, 21/68 31/122. 185020

Ind. Cl. : 195 B, 50 E.

A REFRIGERATION SCREW COMPRESSOR.

Applicant : AMERICAN STANDARD INC. OF P.O. BOX 6820, ONE CENTENNIAL AVENUE, PISCATAWAY, NEW JERSEY 08855-6820.

Inventor : 1. RODNEY LEE LAKOWSKIE, 2. ARTHUR LEE, BUTTERWORTH, 3. GARRY EUGENE ANDERSEN.

Application No. : 133/Cal/96 filed on 29-1-96.

(Convention No. 08/393,957 filed on 24-2-95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

14 Claims

A refrigeration screw compressor, having a suction port and a discharge port, comprising,

a housing, said housing defining a working chamber in flow communication with said suction port and discharge port.

a male rotor disposed in said working chamber;

a female rotor disposed in said working chamber in meshing engagement with said male rotor, rotation of said male and said female rotors operating to compress a gaseous working fluid within said working chamber from a suction to a discharge pressure;

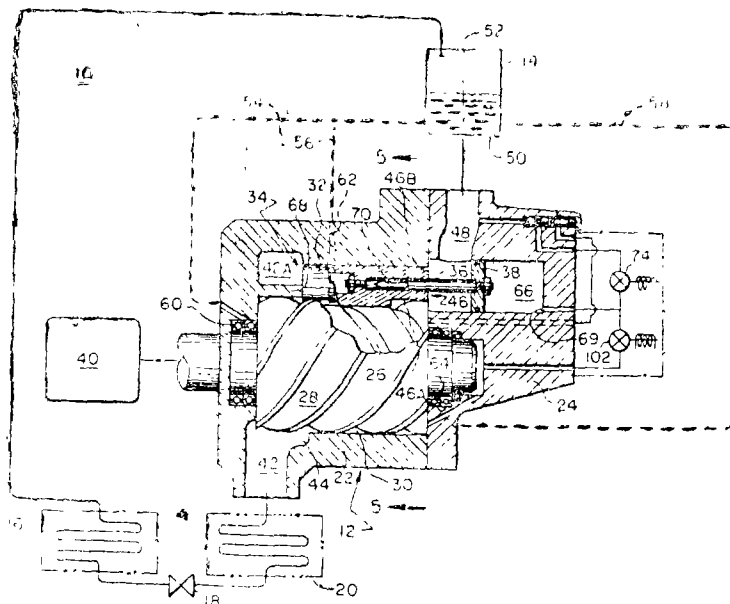
a slide valve, said slide valve having an actuating piston;

a first conduit for selectively communicating refrigerant gas from at least one location within said compressor to said

actuating piston at a pressure sufficient to move said slide valve in a direction which loads said compressor; and

a second conduit to respectively venting refrigerant gas communicated to said actuating piston to a location in said

compressor where the pressure is less than discharge pressure so as to move said slide valve in a direction which unloads said compressor.



Comp. Specn. 30 Pages.

Drgns. 6 sheets.

Ind. Cl. : 155-F-1.

185021

Int. Cl.⁴ : 27 K 3/32 & 3/52.

A WOOD PRESERVATIVE.

Applicant DIRECTOR, FOREST RESEARCH INSTITUTE, GOVT. OF INDIA, WOOD PRESERVATION DISCIPLINE, DEHRA DUN - 248 006. (INDIA).

Inventor (s) : SATISH KUMAR SUBHASH CHANDRA PANT, JITENDRA KUMAR BAGGA. All are Indian.

Application for Patent No. 402/Del/91 Filed on 07-05-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A wood preservative composition comprising 6 to 8% by weight of boron (boric acid), 12 to 17% by weight of arsenic (arsenic acid), 17 to 24% by weight of copper (copper Sulphate) and 5% to 60% by weight of chromium (sodium/pottasium dichromate in the form of a homogeneous blend of these compounds.

(Complete Specification 10 Pages Drawing Sheet Nil)

Ind. Cl. : C 10 L 1/10.

185022

Int. Cl.⁴ : 84 B.

A FUEL FOR USE IN A STOVE.

Applicant : KAMESHWAR NATH MALLIK AN INDIAN NATIONAL OF 4/23A, VIKRAM VIHAR LAJPAT NAGAR-IV NEW DELHI-110024, INDIA.

Inventor(s) : KAMESHWAR NATH MALLIK—INDIA.

Application for Patent No. 833/Del/91 Filed on 9-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A fuel for use in a stove comprising 30-40% water, 10-40% hydrophobic liquid (s) as herein described and 10-40% aliphatic solvent(s) being mixed with each other so as to obtain said novel fuel.

(Complete Specification 5 Pages; Drawing Sheets-Nil.)

Ind. Cl. : 51 D.

185023

Ind. Cl.⁴ : B 26 B, 21/44.

SHAVING DEVICE AND METHOD FOR MANUFACTURING THE SHAVING DEVICE.

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATES OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor(s) :

1. BRIAN ARNOTT ROGERS—U.S.A.

2. MINGCHIH MICHAEL TSENG—U.S.A.

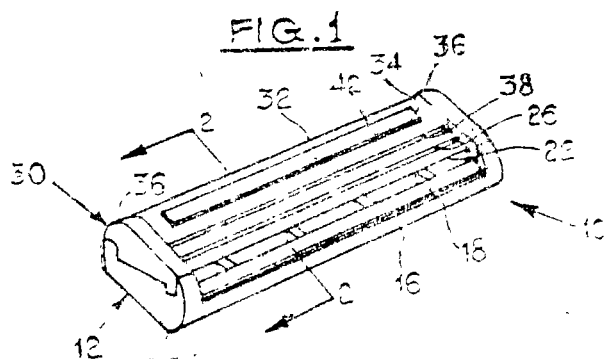
Application for Patent No. 895/Del/91 filed on 20-09-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A shaving device (10) of the wet shave type comprising at least one blade (20—24) member, and structure (30).

defining an external skin engaging portion (34, 18) adjacent the shaving edge (22) of the said blade (20/24) member, said skin engaging portion characterised by a shaving aid composite of extrusion-oriented material that comprises a matrix of water-insoluble polymeric material, an effective amount of a water-leachable shaving aid material, and a low molecular weight release-enhancing agent consisting of one or more of polyethylene glycol, methoxypolyethylene glycol, methylcellulose, and carboxypolymethylene and wherein said shaving aid composite comprises 20–60% by weight of said matrix material, 20–75% by weight of said water-leachable shaving aid material, and 5–20% by weight of said release-enhancing agent.



(Compl. Specn. : 12 pages;

Drgn. : 1 sheet)

Ind. Cl. : 68C.

185024

Int. Cl.⁴ : H02J 4/00.

AN ELECTRICAL CONNECTION DEVICE FOR CONNECTING AT LEAST ONE PAIR OF CONDUCTORS.

Applicant : GEC ALSTHOM SA 38, AVENUE KLEBER, 75116 PARIS, FRANCE.

Inventor(s) :

1. BERNARD JOYEUX BOUILLON—FRANCE

2. JOAN MAINEULT—FRANCE

Application for Patent No 0083/Del/92 filed on 05-02-92.

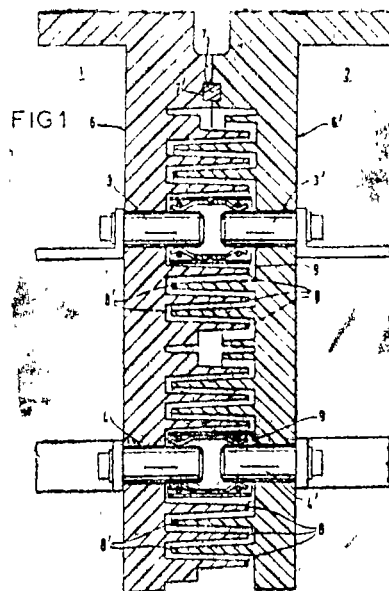
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

An electrical connection device for connecting at least one pair of conductors consisting of a "first" conductor of a pair passing through a wall of a first compartment, (1) and a "second" other conductor of said pair passing through a wall of a second (2) compartment, end of said first conductor being connected to the end of the second conductor by an electrical link member characterized by having insulating means in which, said walls (6, 6') are made of insulating material and are connected to each other by

3—297GI/2000

means of a peripheral (7) sealing gasket, said walls (6, 6') providing between them a space that is filled with dry air.



(Compl. Specn. : 9 page;

Drgns. : 2 sheets).

Ind. Cl. : 32 E.

185025

Int. Cl.⁴ : C 08 F, 110/00.

A PROCESS FOR PREPARING A HARD, INFUSIBLE CROSS LINKED POLYMERIC COMPOUND DERIVED FROM A VINYL CYCLOHEXENE AND CYCLOPENTADIENE.

Applicant : SHELL OIL COMPANY, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 900 LOUISIANA STREET, HOUSTON, TEXAS 77002, UNITED STATES OF AMERICA.

Inventor : DONALD ROSS KELSEY—U.S.A.

Kind of Application : Complete.

Application for Patent No. : 0196/Del/92 filed on 05-03-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A process for preparing a hard, infusible, cross linked polymeric compound derived from a vinylcyclohexene and cyclopentadiene which process comprises contacting a mixture of adducts comprising Diels-Alder adducts of 4-vinylcyclohexene and cyclopentadiene and Diels-Alder oligomers of cyclopentadiene containing at least 3 cyclopentadiene units in a weight ratio of 1 : 1 to 50 : 1 at a temperature of from 25°C to 200°C, at a pressure of up to 5 atmps for up to 5 hours in the optional presence of dicyclopentadiene, with an olefin metathesis catalyst system of the kind as herein described having a tungsten content of 0.001 mole % to 5 mole % based on the adduct mixture.

AGENT : REMFRY & SAGAR.

(Compl. Specn. : 19 pages;

Drgn. : nil Sheet)

Ind. Cl. : 6 A—3.

185026

Int. Cl.⁴ : F 04 39/04 & F 25 B/02.

A PISTON COMPRESSOR FOR THE OILFREE COMPRESSION OF A GAS.

Applicant : MASCHINENFABRIK SULZER-BURCKHARDT AG., OF DORNACHER-STRASSE 210, CH-4002 BASEL, SWITZERLAND.

Inventor : HANS MEIER—SWITZERLAND.

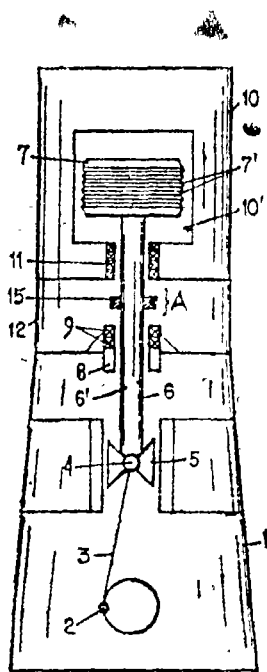
Application for Patent No. 255/Del/92 filed on 24-3-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims)

A piston compressor for the oilfree compression of a gas especially oxygen, having at least one piston mounted freefloating and connected via a piston rod to a crosshead, piston rod sliding in a bearing next to the cross head and in a gland next to the cylinder characterized in that a ring of porous material is located on the piston rod between said guide bearing and said gland and that ring is provided with a circumferential groove to receive a tubular spring, the depth of said groove measured from outside transversely to the longitudinal axis of the piston rod being at least equal to the outer diameter of one turn of the tubular spring.

FIG.1



(Compl. Specn. : 7 pages;

Drgn. : 1 sheet)

Ind. Cl. : 40 F IV(1).

185027

Int. Cl.⁴ : D 01 F 1/00.

A PROCESS FOR THE MANUFACTURE OF SOLVENT-SPUN CELLULOSE FIBRE.

Applicant : COUTRAULDS PLC., A BRITISH COMPANY, OF 50 GEORGE STREET, LONDON W1A 2BB, UNITED KINGDOM.

Inventor : JAMES MARTIN TAYLOR—U.K.

Application for Patent No. 257/Del/92 filed on 24-3-92.

Convention date : 21-10-91/9122318.0/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

24 Claims

A process for the manufacture of solvent-spun cellulose fibre of reduced fibrillation tendency comprising the steps of applying a chemical reagent of the kind such as hereinbefore described having two to six functional groups reactive with cellulose to the fibre in an amount in the range from 0.1 to 10 percent by weight based on the weight of the fibre and reacting them such as herein described under alkaline conditions.

(Compl. Specn. : 36 pages;

Drgn. : nil sheet)

Ind. Cl. : 69 A.

185028

Int. Cl.⁴ : H 01 R 43/16.

A METHOD OF MANUFACTURING A THIMBLE OF CONTACT FINGERS.

Applicant : GEC ALSTHOM SA, A FRENCH COMPANY 38, AVENUE KLEBER 75116 PARIS, FRANCE.

Inventor(s) :

1. HENRI ORGANI—FRANCE

2. ROGER SAUVAT—FRANCE

Application for Patent 376/Del/92 filed on 29-4-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

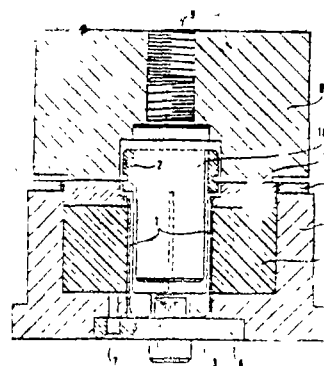
3 Claims

A method of manufacturing a thimble of contact fingers from a blank constituted by a tube of material having good conductive properties and good elasticity, said method characterized by placing said tube having a thin-walled portion provided with longitudinal parallel slots and terminated by a ring of material having good electrical conductivity and that is good at withstanding the effects of electrical arcing around a cylindrical core of diameter substantially equal to the diameter of the blank and of length of the blank the end of the core coming into abutment against the ring;

providing an annular section block around the blank over the slots, the inside diameter of the block being close to and greater than the outside diameter of the blank and the axial length of the block being substantially equal to the axial length of the slots, the block being made of a deformable elastomer material; and

exerting pressure on the end surfaces of said block, thereby tending to reduce the inside diameter of said block until the desired slot width is obtained.

FIG.1



(Compl. Specn. : 6 pages;

Drgns. : 2 sheets)

Ind. Cl. : 132 A, B, C, 62 F.

185029

Int. Cl.⁴ : D 06 F, 35/00.**A METHOD OF TREATING SOILED FABRICS.**

Applicant : WHIRLPOOL CORPORATION 2000 M-63, BENTON HARBOR, MICHIGAN 49022 UNITED STATES OF AMERICA.

Inventor(s) :

1. JOHN WAYNE EULER—U.S.A.
2. MARK BRADLEY KOVICH—U.S.A.
3. SHERYL LYNN FARRINGTON—U.S.A.
4. JIM J. PASTRYK—U.S.A.
5. ANTHONY HOMER HARDAWAY—U.S.A.
6. PHALGUNI S. ROY—U.S.A.
7. DEVINDER SINGH—U.S.A.

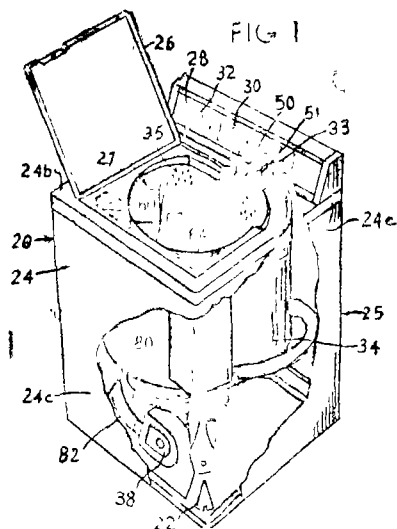
Application for Patent No. 1264/Del/92 filed on 30-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-11005.

15 Claims

A method of treating a soiled fabric to restore to its former condition in an automatic washing machine having a washer with a wash chamber for receiving fabric rotatable about a vertical axis and charged with a detergent solution comprising the steps :

- (1) rotating said wash chamber about its vertical axis a number of revolutions sufficient to cause said fabric and detergent solution within said wash chamber to rotate at a speed approximately the same as said wash chamber;
- (2) periodically decelerating said wash chamber to cause said fabric and detergent solution to move relative to said wash chamber due to rotational inertia of said fabric and detergent solution;
- (3) causing said fabric to tumble within said wash chamber by impinging said fabric on structures in said wash chamber as said fabric is moving relative to said wash chamber;
- (4) repeating steps 1—3 for a predetermined first period of time;
- (5) directing a recirculating spray of concentrated detergent solution onto said fabric during said first period of time as said fabric is rotating with an tumbling in said wash chamber; and
- (6) spinning and draining said wash chamber to effect removal of said detergent solution from said fabrics.



(Compl. Specn. : 30 pages;

Drgns. : 10 sheets)

Ind. Cl. : 60 X (2d)

185030

Int. Cl.⁴ : C 07 C - 101/24**A METHOD OF PRODUCING ENZYMATICALLY ACTIVE CPB (CARBOXYPEPTIDASE).**

Applicant : BIO-TECHNOLOGY GENERAL CORP, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 70 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY 08830, UNITED STATES OF AMERICA.

Inventors :

- JACOB HARTMAN, ISRAEL.
NETTA FULGA, ISRAEL.
SIMONA MENDELOVITCH, ISRAEL.
MARIAN GORECKI, ISRAEL.

Application for Patent No. 170/Del/96 filed on 25th January, 1996.

Convention Application No. 08/378,223/U.S.A./25-01-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A method of producing enzymatically active cpb carboxypeptidase B) which comprises :

- (a) treating a recombinant cell containing DNA encoding Pro CPB, so that the DNA directs expression of the Pro CPB;
- (b) recovering from the cell the Pro CPB so expressed;
- (c) treating the recovered Pro CPB under conditions permitting folding of the Pro CPB;
- (d) subjecting the folded Pro CPB to enzymatic cleavage to produce enzymatically active CPB;
- (e) purifying the enzymatically active CPB.

Compl. Specn. 31 Pages;

Drgns. 4 Sheets.

Ind. Cl. : 107 G, 175 F

185031

Int. Cl.⁴ : F 16 J 15/02**A HIGH TEMPERATURE RESISTANT GASKET.**

Applicant : DANA CORPORATION, 4500 DORR STREET, TOLEDO OHIO 43615, U.S.A. (A CORPORATION OF THE STATE OF VIRGINIA).

Inventor : 1. JOHN A. DAMUSIS.

Application No. 897/Mas/94 filed on 14th September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

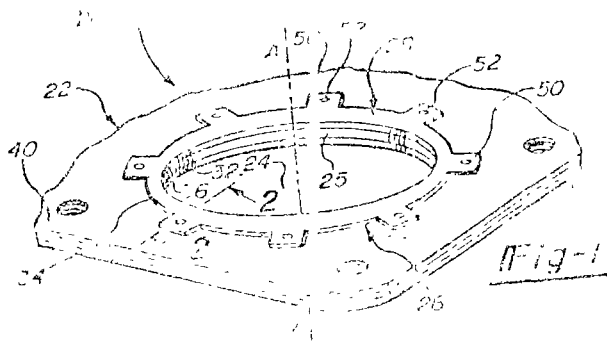
15 Claims

A high temperature resistant gasket comprising :

a gasket body with an upper surface and a lower surface having at least one opening, said opening having an inner peripheral boundary; and

A flange assembly with two flanges generally shaped to correspond to said boundary disposed adjacent said boundary, said flange assembly having an upper flange with a radially outer edge and a radially inner edge, an inner surface of said upper flange engaging said upper surface of said gasket body, and a lower flange with a radially outer edge and a radially

inner edge, an inner surface of said lower flange engaging said lower surface of said gasket body, each of said upper and lower flanges being secured to said gasket body, wherein a plurality of tabs extend radially outwardly from said outer edge of at least one of said flanges, a mechanical fastener being used in conjunction with a number of said tabs to secure said at least one of said flanges to said gasket body.



Compl. Specn. 14 Pages;

Drgns. 1 Sheet.

Ind. Cl. : 50 D

185032

Int. Cl.⁴ : F 24 F 13/04

A MIXING APPARATUS.

Applicant : LUWA AG, OF ANEMONENSTRASSE 40, 8047 ZURICH, SWITZERLAND, A SWISS COMPANY.

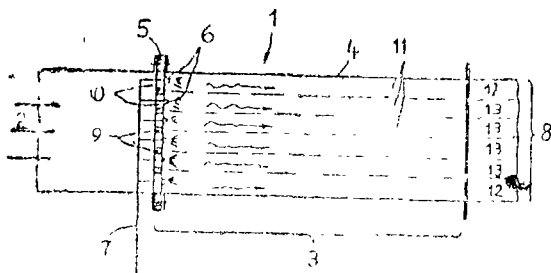
Inventor : 1. JOSEF BRUHLMEIR.

Application No. 944/Mas/94 filed on 27th September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

20 Claims

A mixing apparatus for mixing a first fluid with a second fluid, having a channel section (4) of a flow channel (1) for the first fluid, before which in the flow direction a guiding device (5) is arranged for influencing the flow character of the first fluid in the channel section (4), the opening (6, 6') of at least one supply conduit (7, 7') for the second fluid being directed into the channel section (4), characterized in that the guiding device (5) has at least one means (16) to induce turbulence in the first fluid along the channel section (4) in at least one cross-section region (12, 13) of the channel section (4).



Compl. Specn. 13 Pages;

Drgns. 3 Sheets.

Ind. Cl. : 69 I

185033

Int. Cl.⁴ : H 0 Q 1 00

A COMMUNICATIONS NETWORK.

Applicant : STEELCASE INC., A CORPORATION OF THE STATE OF MICHIGAN, U.S.A. OF 901-44TH STREET, SEPO BOX 1967, GRAND RAPIDS, MICHIGAN 49501, U.S.A.

Inventors :

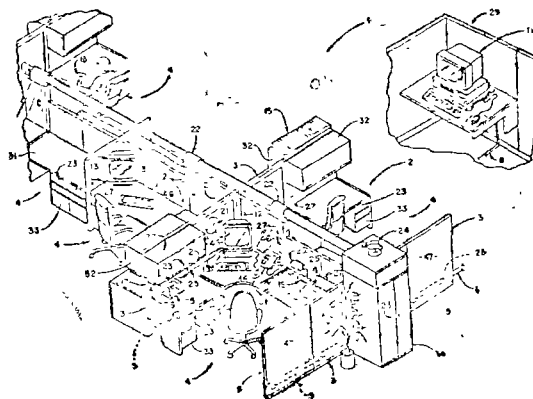
1. JOHN S. TOMS.
2. WILLIAM L. MILLER.
3. STEVEN M. BROWN.
4. GEORGE V. WELLER.
5. SCOTT H. RUSSELL.
6. JOSEPH R. BRANC.
7. DAVID C. SWEETON.
8. MATTHEW M. MIKCAJCAZAK.

Application No. 1160/Mas/94 filed on 23rd November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

21 Claims

A communication network (1) for modular furniture arrangements (2) of the type in which a plurality of individual furniture units (3) are positioned in a preselected configuration to form at least one workstation (4), said communication network comprising at least one signal conductor (5) configured to extend along the furniture units (3); at least one signaller (9) associated with at least one of the furniture units (3), and being operably coupled to said signal conductor (5), wherein said signaller (9) is an identification mechanism used to associate furniture units (3) with workstations (4); and a network controller (11) operably coupled to said signal conductor (5) for communicating with said signaller (9), whereby said network controller (11) and said signaller (9) communicate information associated with the furniture units (3) through said signal conductor (5).



Compl. Specn. 36 Pages;

Drgns. 51 Sheets.

Ind. Cl. : 187 G, 174 G

185034

Int. Cl.⁴ : H 04 R 1/00

AN IMPROVED MECHANICAL TRANSDUCER.

Applicant : SUNPOWER, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, U.S.A. OF 182 MILL STREET, ATHENS, OHIO 45701 U.S.A.

Inventors :

1. WILLIAM TAYLOR BEALE.
2. NICHOLAS RUPERT VAN DER WALT.
3. REUVEN ZVI UNGER.

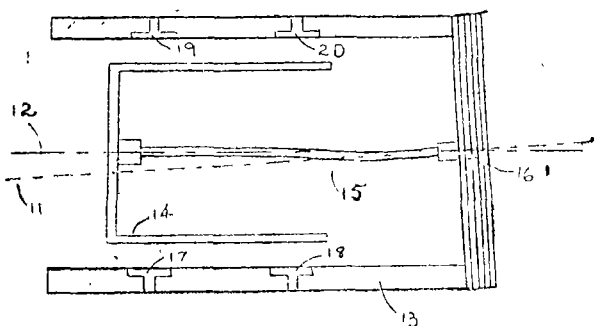
Application No. 1179/Mas/94 filed on 29th November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

An improved mechanical transducer comprising a housing having an axis of geometric symmetry and a chamber defined by at least one wall containing a substantially axially reciprocating mating body linked to the housing by a linkage having at least one linkage component, an axially compliant spring applying an axial force upon the body and an anti-friction bearing provided for minimizing contact between the chamber wall and the body, wherein :

- (a) the said bearing being a fluid bearing for applying lateral, centering forces upon the body; and
- (b) the said linkage component having a lateral compliance sufficient for the centering forces exerted by the fluid bearing to at least equal the sum of lateral force excited by the linkage and other lateral forces exerted upon the body.



Compl. Specn. 31 Pages;

Drgns. 17 Sheets.

Ind. Cl. : 107 C, G

185035

Int. Cl.¹ : F 02 B 71/00

AN IMPROVED PISTON CENTERING APPARATUS FOR FREE PISTON MACHINE.

Applicant: SUNPOWER, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, U.S.A., OF BYARD STREET, ATHENS, OHIO 45701, U.S.A.

Inventors :

1. WILLIAM TAYLOR BEALE.
2. NEILL WILMOT LANE.
3. JARLATH MCENTEE.

Application No. 1130/Mas/94 filed on 29th November 1994.

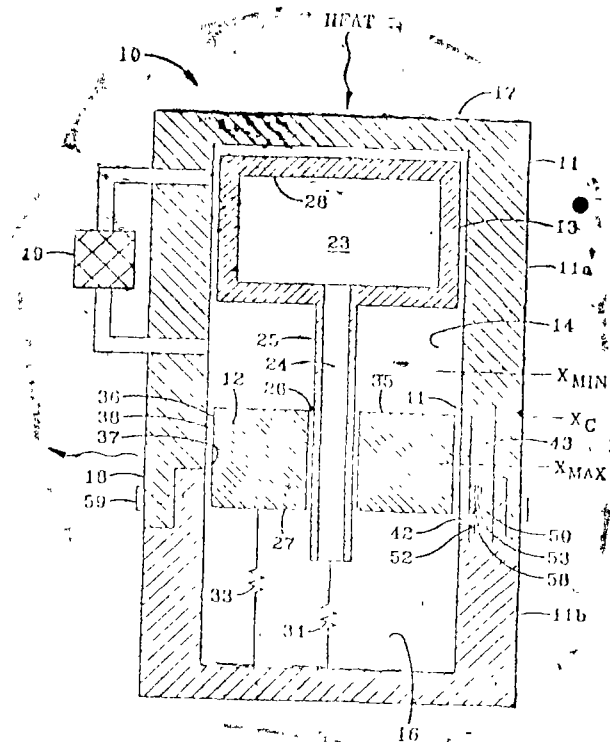
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

An improved piston centering apparatus for a free piston machine having a housing, a cylinder and a piston sealingly-reciprocable in the said cylinder, the said housing enclosing a work space bounded by a first end of piston and also enclosing a second space bounded by the opposite end of the said piston, both spaces containing a working gas, the pressure in the second space having an average pressure and the pressure in the work space varying periodically in opposite directions from said average pressure, said pressure variation being a symmetric and thereby causing a net leakage flow of working gas from one of the spaces to the other through the

clearance between the said piston and the said cylinder, comprising :

- (a) a passageway in communication between the work space and the second space and having a valve linked to the piston for opening in response to the piston being near the center of the opposite limits of the said piston reciprocation; and
- (b) one way pressure responsive valve connected to the passageway and oriented to permit the passage of working gas between the space in a direction opposite to said net leakage flow and to prevent substantial flow in the reverse direction.



Compl. Specn. 24 Pages;

Drgns. 6 Sheets.

Ind. Cl. : 17 A 4, D'

185036

Int. Cl.¹ : A 23 L-1/185; A 23 J-1/14

PROCESS FOR THE PREPARATION OF A FINELY DIVIDED SOYA PRODUCT.

Applicant : SOCIETE DES PRODUITS NESTLE S.A. P.O. BOX 353, 1800 VEVEY, SWITZERLAND. A COMPANY INCORPORATED IN SWITZERLAND.

Inventors :

- (1) BEUTLER ERNST.
- (2) BODENSTAB STEFAN.
- (3) GREDT-VOGEL BRIGITTE.
- (4) GROUX MICHEL JOHN ARTHUR.
- (5) KUSLYS MARTINAS.
- (6) MARWOOD PETER.
- (7) SCHWAN MICHAEL.

Application No. 561/Mas/95 filed on 12th May 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

Process for the preparation of a finely divided soya product, wherein :

- (a) soya beans are dehulled dry,

- (b) the said beans are milled continuously for a short period in the presence of hot water,
- (c) the milled material is heat treated at a temperature above 148°C, the minimum residence time at 148°C being 30 sec and the minimum residence time at higher temperatures being shorter,
- (d) the resulting suspension is immediately passed through a back-pressure valve, and
- (e) the finely divided soya product is recovered in a known manner.

Compl. Specn. 32 Pages;

Drgns. Sheets.

Ind. Class : 32 F 3A

185037

Int. Cl.4 : C 07 C—121/68

"AN IMPROVED PROCESS FOR THE PREPARATION OF SUBSTITUTED PHENYL ACETONITRILE DERIVATIVES."

Applicant : Dr. Reddy's Research Foundation, an Indian company having its registered office at 7-1-27, Ameerpet, Hyderabad, A.P., India, 500016.

Inventors ; (1) SIRIPRAGADA MAHENDER RAO

(2) GADDAM OM REDDY

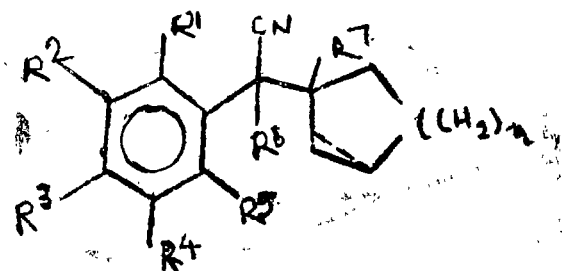
(3) MAMILLAPALLI RAMA-BHADRA SARMA

Application No. : 2762/MAS/97 filed on 03rd December, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

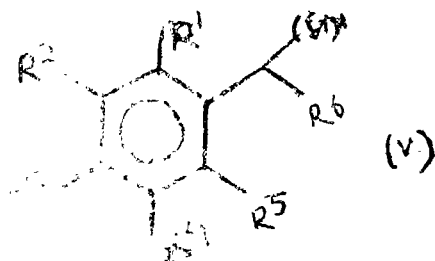
05 Claims

An improved process for the preparation of substituted phenyl acetonitrile derivatives of the formula (I)



where R^1, R^2, R^3, R^4, R^5 , may be same or different and independently represent hydrogen, hydroxyl, (C_1-C_7) alkyl, (C_1-C_7) alkoxy, (C_2-C_7) alkanoyloxy, cyano, nitro, amino, (C_1-C_6) alkylamino, thio (C_1-C_7) alkyl, $di(C_1-C_6)$ alkylamino, (C_2-C_7) alkanamido, halo, trifluoro methyl group or any two adjacent groups taken together form methylene

dioxy; R^6 may be hydrogen, (C_1-C_7) alkyl, cyano, nitro, carbo (C_2-C_8) alkoxy groups; R^7 represents hydroxy or alkoxy group; R^6 and R^7 taken together may also represent a bond; "—" represents optional double bond(s), n is an integer ranging from 1—3; which comprises condensing a compound of the formula (II)



where $R^1, R^2, R^3, R^4, R^5, R^6$ are as defined above, with cycloalkanone or cycloalkenone having atleast one double bond, in the presence of metal alkoxide in an alcoholic solvent at a temperature in the range of -20°C to 25°C .

(Com. Specn. : 09 Pages;

Drwgs :—Sheets)

Ind. Cl. : 32 F1 & 32 C

185038

Int. Cl. : C 07 C 49/76, C 07 C 49/807 & C 07 C 103/00

A PROCESS FOR THE PREPARATION OF A NON-IONIC IODINATED DERIVATIVE OF 5-AMINO-2, 4, 6-TRIIODO-1, 3-BENZENE DICARBOXYLIC ACID WITH A HYDROXY SUBSTITUTED ACYLAMINO RESIDUE AT THE 5-POSITION.

Applicant : DIBRA S P A, OF PIAZZA VELASCA 5, MILANO, ITALY, AN ITALIAN COMPANY.

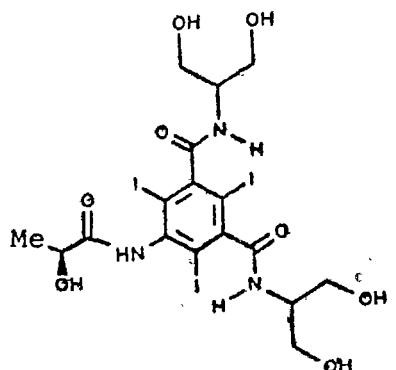
Application No. 2768/Mas/97 filed on 3rd December 1997.

Convention No. MI96A002545 on 4th December 1996 in Italy.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

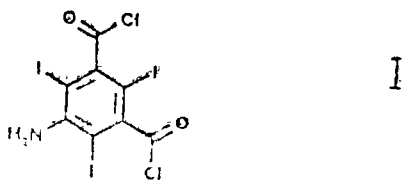
15 Claims

1. A process for the preparation of a non-ionic iodinated derivative of 5-amino-2, 4, 6-triiodo-1, 3-benzene dicarboxylic acid with a hydroxy substituted acylamino residue at the 5-position represented by formula III,



comprising the steps of :

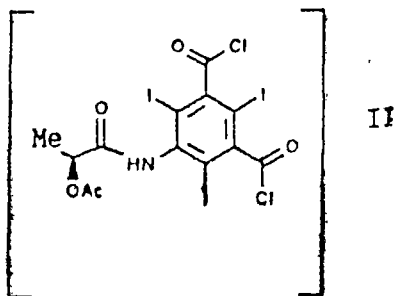
(a) reacting 5-amino-2, 4, 6-triiodo-1, 3-benzene dicarboxylic acid dichloride of formula I



with a hydroxy substituted acyl chloride of formula IV,

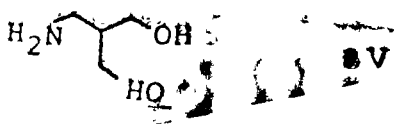


wherein said hydroxy groups are protected by ester groups, to give 5-acylamino-2, 4, 6-triiodo-1, 3-benzenedicarboxylic acid dichloride of formula II;

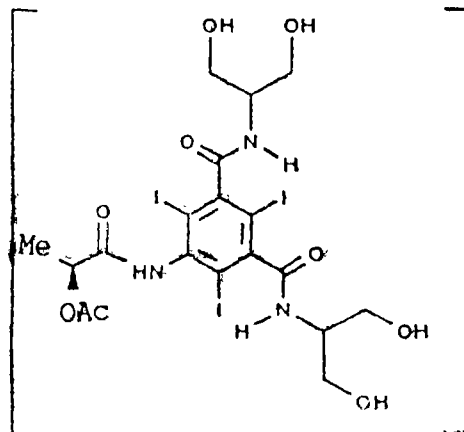


(b) treating said 5-acylamino-2,4,6-triiodo-1, 3-benzenedicarboxylic acid dichloride of step (a) with a tertiary amine of formula $NR_1R_2R_3$, wherein R_1, R_2, R_3 , are independently a (C_1-C_{12}) straight or branched alkyl group, (C_1-C_3) alkyl (C_6-C_{10}) aryl group, (C_1-C_4) alkenyl group, in 3-15% excess on the basis of the molar amount of acyl chloride, at a reaction temperature between 0 and 30°C ;

(c) adding an amino alcohol of formula V



to said reaction product obtained from step (b) to produce N, N -bis [2,4,6-triiodo-1, 3-benzenedicarboxamide] of formula VI;



(d) subsequently deprotecting said protected hydroxy groups by known methods of hydrolysis, to form 5-amino-2, 4, 6-triiodo 1,3-benzene dicarboxylic acid with a hydroxy substituted acylamino residue at the 5 position and optionally recovering the tertiary amine added during step (b) and

(e) isolating the desired compound from the reaction mixture in a known manner.

(Compl. Specn. 21 Pages ;

Drgs. Nil Sheet)

Ind. Cl. : 32 F3C & 32 F3d

185039

Int. Cl.¹ : C 07 C 27/00

A METHOD FOR THE PREPARATION OF A MIXTURE OF SULPHATED ESTROGENS.

Applicant : AKZO NOBEL N V, OF VELPERWEG 76, 6824 BM ARNHEM, THE NETHERLANDS, A DUTCH COMPANY.

Inventors :

1. RAIJMAKERS PETRUS HENDRICUS.

2. HOFSTRAAT ROBERT GERRIT.

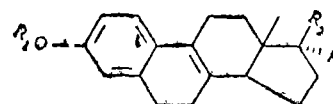
3. VAN DEN BOOM HENRICUS PETRUS ANTONIUS JOHANNES MARIA.

Application No. 935/Mas/98 filed on 30th April 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

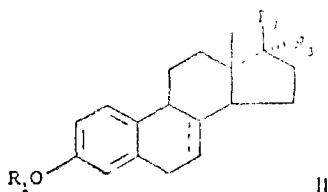
9 Claims

A method for the preparation of a mixture of sulfated estrogens comprising sulfation of a compound according to the general formula 1 (delta 8, 9 estrone derivatives)



Wherein R_1 is H, R_2 is H and R_3 is O-acyl; or R_3 is H and R_2 is O-acyl; or R_2 and R_3 together represent O in admixture

with one or more compounds taken from the group of compounds of general formula II



Wherein R₁, R₂ and R₃ have the previously defined meanings and the dotted line at position 7-8 represents an optional double bond by known means and recovering mixture of sulphated estrogens in a manner known per se.

Compl. Specn. 22 Pages;

Drgns. Nil Sheets.

Ind. Cl.: 128 G

185040

Int. Cl.: A 61 K—39/00

A PROCESS FOR PREPARING A MONOCLONAL ANTIBODY.

Applicant: OJILA SUNDARARAMA REDDI AND KRISTAPATI RAMA SHARMA OF 265 ROAD NO. 10, JUBILEE HILLS, HYDERABAD-500 037, ANDHRA PRADESH, INDIA (BOTH INDIAN CITIZEN).

Inventors :

1. OJILA SUNDARARAMA REDDI,
2. KRISTAPATI RAMA SHARMA.

Application No. 2413/Mas/98 filed on 27th October 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for preparing a monoclonal antibody from normal human T cells and cutaneous T lymphoma cells which comprising the steps of immunizing BALB/C mice with human T cells and T lymphoma cells to produce an antibody, fusing cells of said antibody, with cancer cell lines by known hybridoma technique to obtain fused cells having said antibody, injecting said fused cells intraperitoneally into mice, extracting the fluid produced from the tumours that develop in the injected mice and substantially extracting, separating and purifying the monoclonal antibody therefrom by known means.

Compl. Specn. 9 pages.

CLAIM UNDER SECTION 20(1)

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 the application No. 183194 (244/Del/94) of LABORATORIES MONAL, has been allowed to proceed in the name of SOCIETE CIVILE JOUVENET, a French Company of 32 rue Jouvénét, Paris 16 eme, France.

RENEWAL FEES PAID

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172867 180647 181809 183371 169772 176614 182166 183311
183326 183327 183328 183329 181994 182053 182132 181807
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PATENT SEALED ON 22-09-2000

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183656 183661 183662 183663^{*D} 183665^{*D} 183666
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183692^{*D} 183693^{*F} 183696^{*D} 183697^{*F} 183698^{*F}
183699^{*D} 183700^{*D}

CAL-11, DEL-09, MUM-01, CHEN-18

*Patent shall be deemed to be endorsed with words licence of right under section 87 of the patents Act, 1970 from the date of expiration of three years of the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act. 1911.

The date shown in the each entries is the date of registration included in the entries :

Class 1. No. 179563. K. K. Talwar, Proprietor of Parkash Brassware Industries, A-25, Naraina Industrial Area, Phase-II, New Delhi-110028, India. "TAP". 26th May 1999.

Class 3. No. 174998. P. A. V. International, X-436, Ram Nagar, Gali No. 0, Gandhi Nagar, Delhi, an Indian Partnership firm. "TOOTH BRUSH". 10th November 1997.

Class 3. No. 179601. G. M. Pens International Limited, an Indian Company having its registered Office at No. 76, Janakpuri Velachery Road, Chennai-600032, Tamil Nadu. "PEN". 1st June 1999.

Class 3. No. 182104, 182105. MRF Limited, 124 Greaves Road, Chennai-600 006, Tamil Nadu, India. "AUTO-MOBILE TYRE" 12 April, 2000.

Class 3. No. 182123. Soni Enterprises, Mukam Post Falna Village, Station Falna-306116, Tahsil Bali, Distt. Pali (Raj), India, an Indian Proprietary concern. "TRANSISTER CABINET". 17th April 2000.

- Class 3. Nos. 182947 & 182948. V. I. P. Industries Ltd. DGP House, 88-C, Old Prabhadevi Road, Mumbai-400 025, Maharashtra, India. "SUIT-CASE". 19th July, 2000.
- Class 3. No. 179891. Saber Pens Private Limited, 33C, 2nd Main Road, Gandhi Nagar, Adyar, Post Bag No. 2079, Chennai-600020, Tamil Nadu, India. "PEN". 12th July, 1999.
- Class 3. No. 179660. Suresh Maruti More. 102, Sukh Shanti. Shanti Ashram, Borivali (W), Mumbai-400103, Maharashtra, India. "SEAL". 10th June 1999.
- Class 3. No. 179661. Tefal S. A. a French joint-stock company of Z. I. des granges 74150, Rumilly, France. "INFRARED ELECTRONIC SENSOR". 10th June 1999.
- Class 4. No. 181913. Ilam Park & Resort Private Limited 155A, A. J. C. Bose Road, Calcutta-700014, India. "BOTTLE". 21st March 2000.
- Class 10. No. 182030. Galaxy Sports Shoe Co. Pvt. Ltd. 26, Udyog Nagar, Delhi-110 041, India "SHOE" 4th April 2000.
- Class 10. No. 182191 & 182193. Alert India, an Indian Partnership firm C/1, S. M. A. Industrial Estate, G. T. Karnal Road, Delhi-33, India "SOLE OF FOOTWEAR" 25th April 2000.
- Class 10. No. 181601 & 181602. Nikhil Footwear Limited. G-11, Udyog Nagar, Delhi, (India). "SOLE OF FOOTWEAR". 15th February, 2000.
- Class 11. No. 181604. James B Marshal and Mariselle Marshall, 137, Victoria Avenue, Remuera Auckland, New Zealand. "SOCK". 15th February 2000.
- Class 12. No. 181610. Champion Confectionery (An Indian sole proprietorship concern), 57-c, Govt. Industrial Estate, Kandivli (W), Mumbai-400067, Maharashtra, India "BISCUITS", 16th February, 2000.
- Class 12. No. 181911. Britannia Industries Ltd. 5/1A, Hungerfort Street, Calcutta-700017, India. an Indian Company. "BISCUIT". 21st March 2000.
- Class 12. No. 181605. Johnson & Johnson Inc. 7101 Notre Dame Street East, Montreal, Quebec HTN 204, Canada, "SANITARY NAPKIN". 15th February 2000.
- Class 13. No. 180614. Y & S Holdings, 18 N-Block Market, Greater Kailash Part-I, New Delhi-110048, India. "FABRIC". 21st October 1999.

H. D. THAKUR

Controller General of Patents Designs & Trademarks

1. The first part of the document is a list of names and addresses of the members of the committee.

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